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Page 136 of 546 Table 4 Single Exon Probes Expressed in Bone Marrow

Ton Hit Descriptor		e/25e08.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:1032710 3'	Homo sapiens HSPC101 mtNA, partial cds	Carine distemper virus strain A75/17, complete genome	Human calmodulin (CALM1) gene, excus 2,3,4,5 and 6, and complete cds	601340661F1 NIH_MGC_53 Hamo septens cDNA clane IMAGE:3683030 5	601340681F1 NIH_MGC_53 Hamo sapiens cDNA clans IMAGE:3683030 5	Barbarie duck parvovirus REP protein (rep) and three capsid protein VP (vp) genes, complete cds	X.laevis XFD2 mRNA for fork head protein	PROTEIN TRANSPORT PROTEIN HOFC HOMOLOG	IL3-HT0819-110700-210-C04 HT0619 Homo sapiens cDNA	ee30f02.r1 Gessler Wilms turnor Homo sepiens cDNA clone IMAGE:89/339 5' similer to gp:MZZ382. MITOCHONDRIAL MATRUX PROTEIN P1 PRECURSOR (HUMAN);	se30f02.ri Gessler Wilms tumor Homo sapiens cDNA done IMAGE:897339 5' similar to gb:M22382 MITOCHONDRIAL MATRIX PROTEIN P1 PRECURSOR (HUMAN);	Homo sapiens putative hepatic transcription factor (WBSCR14) gene, complete cds	a75e06.s1 Sceres_testis_NHT Homo sapiens cDNA done 1376628 3'	a75e06.s1 Soares_testis_NHT Homo saptens cDNA clone 13766263'	a75a06.s1 Soares_testis_NHT Homo septens cDNA clone 1376626 3"	MR0-HT0069-071089-001-c05 HT0069 Hamo septens cDNA	FB20A6 Fetal brain, Stratagene Homo sapiens cDNA clone FB20A6 3'end	CELL-SURFACE RECEPTOR DAF-1 PRECURSOR	RC1-BT0254-090300-017-d09 BT0254 Homo septems cDINA	Homo sapiens chromosome 21 segment HSZ1C008	Dictyostellum discoldeum myosin heavy chain kinase A (MiTCA A) mirava, compres cos	Pyrococcus abyssi complete genome; segment bro	Pyrococcus abysis complete genome; segment ord	FB4A8 Fetal brain, Strategene Homo sapiens cDNA cone FB4A8 3'end similar to LINE-1	ah67105.s1 Soares_tests_NHT Hamo saplens cDNA clone 1320705 3'	EST387948 MAGE resequences, MAGN Homo septens cDNA	Mus muscultus latent TGF bata binding protein (Tgfb), mRNA	Oncortynchus mykiss TAP1 protein (OranyTAP1) mRNA, OranyTAP1'01 attele, complete cds	dg79e04.x1 Soares_NFL_T_GBC_S1 Homo sapiens dUNA dane IMAGE:18414405 3	HOMEOBOX PROTEIN HOX-D4 (CHOX-A)	H. sapiens DNA for COMP phosphodesta ase (expres 4-22)
Top Hit	Source	EST_HUMAN	N-	NT	N	EST_HUMAN	EST_HUMAN	NT	IN	SWISSPROT	EST_HUMAN	EST_HUMAN	EST HIMAN	N.	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	SWISSPROT	EST_HUMAN	노	¥	Ž	¥	EST HUMAN	EST_HUMAN	EST_HUMAN	NT	LN.	EST_HUMAN	SWISSPROT	<u>L</u>
Top Hit Acession	ď	6.9E-02 AA670269.1	6.9E-02 AF161364.1	6.9E-02 AF164967.1	J12022.1	6.9E-02 BE567435.1	6.9E-02 BE567435.1	6.9E-02 U22967.1	K74315.1	744621	6.9E-02 BF352899.1	6.8E-02 AA496759.1	0 0E 00 AA4007E0 4	C.OE-UZ AMTEOTUS.1	8.8E-02 AA781998.1	6.8E-02 AA781996.1	6.8E-02 AA781998.1	6.8E-02 BE141076.1	6.8E-02 T03013.1	P20792	6.8E-02 BE061890.1	6.8E-02 AL163268.2	8.8E-02 U16858.1	8.8E-02 AJ248287.1	6.8E-02 AJ248287.1	6.8E-02 T03214.1	8.8E-02 AA758014.1	6.8E-02 AW975839.1	9910585 NT	6.7E-02 AF115536.1	6.7E-02 AI220285.1	P17278	6.7E-02 X62695.1
Most Similar (Top) Hit	BLAST E Value	6.9E-02/	6.9E-02	6.9E-02	6.9E-02 U12022.1	6.9E-02	6.9E-02	6.9E-02	6.9E-02 X74315.1	6.9E-02 P44621	6.9E-02	6.85-02	8	S RF-02	R RE-02	6.8E-02	6.8E-02	6.8E-02	6.8E-02	6.8E-02 P.20792	6.8E-02	6.8E-02	8.8E-02	6.8E-02	6.8E-02	6.8E-02	6.8E-02		G.8E-02				
Expression	Signel	26'0	0.57	79'0	1.18	1.08	1.08	0.55	2.17	1.75	3.69	1.18	,	1.10	105	1.05	188	0.71	0.78	99.0	1.05	7.18	0.64	5.44	5.44	3.73	2.52	1.88	2.35	1.83	1.99	4.34	1.01
ORF SEQ	Ω̈́	31041	L			35287					31648	27918		BLB/Z			L					33822	34280	35020	35021						27830		34560
Exan	SEQ ID	18161	19/09		١.	24865	21865	22439	25141	25250		14024		14824	18474	16174	16174	17605	18289	19831	Ŀ	L	<u>l</u>	21599	21699	25949	L		L				21153
	SEO SO SO SO SO SO SO SO SO SO SO SO SO SO	5151	8028	7876	8387	0088	808	9775	12853	12519	13112	8			2447	3117	34.7	VESS 7	6283	92.29	<b>8</b> 8	7497	8762	8831	88	12140	12274	12832	12894	1531	1910	3730	8183

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Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	H.sapiens DNA for cGMP phosphodiesterase (exons 4-22)	Ab61c/11.x1 Scares_NFL_T_GBC_S1 Hamo sapiens cDNA clane IMAGE:2380788 31	UI-HBI1-ecr-g-01-0-UI.s1 NCI_CGAP_Sub3 Hamo sapiens cDNA done IMAGE:2715433 3	HHBIT-ear-g-01-0-UI.s1 NCI_CCAP_Sub3 Hamo septens aDNA dans IMAGE:2715433 3*	Drosophila melanogastar cactin mRNA, complete cds	Mus musculus Capn12 gene for calpein 12, exons 1-21, three afternative transcipts	y18b10.s1 Socres placenta Nb2HP Homo sepiens aDNA done IMAGE:138b/93	Homo sepiens mesothelin (MSLN), transcript variant 1, mRNA	Homo sapiens mesothelin (MSLN), transcript variant 1, mRNA	Homo sepiens TESTIN 2 and TESTIN 3 genes, complete cos, attendaments y spirited	INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN HZ PRECURSOR (III HEAVY CHAIN HZ)	INTER-ALPHA-TRYPSIN INHIBITOR HEAVY CHAIN HZ PRECURSOR (III REAVT CHAIN RZ)	P. vulgaris mRNA for chalcone synthase	MATERNAL EFFECT PROTEIN STAUFEN	MATERNAL EFFECT PROTEIN STAUFEN	Penicillium unicae mitochondrial HRNA (large rRNA) gene and its franking region	Homo sepiens chemokine receptor CXCR4 gene, promoter region and complete cos	Dictycstellum discodeum darin (darA) gene, complete cds	Human respiratory syncytial virus, complete genome	Human respiratory syncytial virus, complete genome	(1970/06.x1 NCI_CGAP_Lu24 Homo sapiens cDNA ctone IMAGE:2149498 3	Homo sapiens EWS, gar22, mp22 and bam22 genes	Homo sepiens vinculin (VCL), mRNA	MR1-SN0064-010600-008-a12 SN0084 Homo sapiens cDNA	C05789 Human pancreatic islet Homo sapiens cDNA clone hbc5156	Mus musculus DIPB gane (Dipb), mRNA	Rattus norvegicus cytochrome P450 2E1 (CYP2E1) gene, 5' flanking region	601671046F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3954178 5	Homo sapiens E2F-like protein (LOC51270), mRNA	Xenopus lasvis alpha(E)-catenin mRNA, complete cds	Aquifex aeolicus section 96 of 109 of the complete genome	2246h12.s1 Soares overy tumor NbHOT Homo sepiens cDNA clone IMAGE:756743 3' similer to gb:M28038 HLA CLASS II HISTOCOMPATIBILITY ANTIGEN, DR-5 BETA CHAIN (HUMAN);	602118887F1 NIH_MGC_56 Hamo saplens cDNA clane IMAGE:4278029 5
	Top Hit Detrabase Source		EST_HUMAN >	EST_HUMAN I	EST_HUMAN		TA L	T_HUMAN				$\Box$	SWISSPROT		SWISSPROT	SWISSPROT	HT.	I I				HUMAN	Į.		EST_HUMAN	EST_HUMAN			EST_HUMAN		IN	LN	EST_HUMAN	EST_HUMAN
28110	Top Hit Acession No.		6.7E-02 AW082888.1	6.7E-02 AW137359.1	6.7E-02 AW137359.1	6.6E-02 AF245118.1	6.6E-02 AJ289241.1		7108357 NT	7108357 NT	8.6E-02 AF260225.1	261703	261703	(06411.1	25159	25150	8.6E-02 D14567.1	6.6E-02 AF052572.1	6.6E-02 AF006055.1	9629198 NT	9629198	6.6E-02 AH58752.1	6.6E-02 Y07848.1	11430559 NT	6.6E-02 BF374248.1	6.6E-02 C05789.1	19837991 NT	AF167430.1	6.5E-02 BF027639.1	TV06068 NT	6.5E-02 U47624.1	6.5E-02 AE000784.1	8.5E-02 AA443891.1	6.5E-02 BF665340.1
-	Most Similar (Top) Hit BLASTE Vaitue	6.7E-02 X62695.1	6.7E-02	6.7E-02	6.7E-02	6.6E-02	6.6E-02	6.6E-02 R64306.1	6.6E-02	6.6€-02	6.6€-02	6.6E-02 Q61703	6.6E-02 Q61703	6.6E-02 X06411.1	6.6E-02 P25159	8.6E-02 P25150	8.6E-02	8.6E-02	6.6E-02	6.6E-02	6.6E-02	6.6E-02	6.6E-02	6.6E-02	6.6E-02	6.6E-02	6.6E-02		6.5E-02	6.5E-02	6.5E-02	6.5E-02	6.5E-02	8.5E-02
	Expression Signal	1.01	0.45	67.0	0.73	6.0	268	11.07	21	21	1.45	823	8.23	3.97	0.55	0.65	0.57	1.6	0.67	29.0	0.67	0.52	1.65	9.0	4.9	1.73	253	1.31	2.67	1.95	3.5	2.08	1.71	0.83
	ORF SEQ ID NO:	34561	35170	36347	36348	. 27376	28228	29447	29462	29463	30036	30813	30914	33073	33105	33106		34680	36209	35686			36860		37786				26566					
	SEQ ID	21153	21748	22888	22886	14405	15207	16523	16637	16637	17141	18029	18029	19792	19823	19823	21090	21248	27784	22239	22239	23235	23369	23403	24260	24836	25373	25672	13652	14041	14426		1	1 1
	Probe SEQ ID NO:	8183	8781	6588 8	9966	1371	2182	3477	<u>8</u>	3497	4107	6016	5015	8738	2989	7909	8152	8279	7188	8273	8773	10311	10447	10481	11310	12063	12719	13024	288	88	1300	1749	9839	6683

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Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Azatabacter vinelandii ATCC 9046 neosilive regulator MuzB (mucB) cene. partial cds	EDITECTOR NIN MOC RY Home carlone CTMA chare INAGE - 275-773	VIOVOLITATION IN TAXABLE AND T	60165081/K1 NIH MGC 0/ Hamo sepiens clava came injurice second 3	601823511F1 NIH_MGC_77 Homo septems cDNA clone IMAGE:4043138 5	z 32g05.s1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:085144 3'	Rabbit microsomal epoxide hydrolase	Nectria haematococca kinesin related protain 2 (KRP2) gene, complete cds	A carterae precursor of peridinin-chlorophylla-protein (PCP) gene	Thermotoga maritima section 89 of 136 of the complete genome	Thermotoga maritima section 89 of 136 of the complete genome	Mus musculus historie deacetylase 5 (Hdac5), mRNA	zi51e04.r1 Scares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:505470 5' similar to	contains Alu repetitive element;	qe07b01.x1 Soares_bestis_NHT Homo sepiens cDNA clone IMAGE:1738249 3' similar to contains LTR8.b3	LTR8 repetitive element;	Mus musculus IFN-response element binding factor 1 (IREBF-1), mRNA	Heterodera giyoines beta-1,4-endoglucanasa-1 precursor (HG-eng-1) gene, complete cds	Heterodera glychnes beta-1,4-endoglucanase-1 precursor (HG-eng-1) gene, complete ods	we73g12.xt Soares_Dieckgraefe_coton_NHCD Homo sapiens cDNA clone IMAGE:2346790 3"	601680425F2 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:3950503 31	Neisseria meningitidis serogroup A strain 22491 complete genome; sogment 617	Mus musculus chaperonin subunit Ga (zeta) (Cct6a), mRNA	k1419.seq.F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA 5	AF150185 Human mRNA from cd34+ stem cells Homo sapiens cDNA clone CBDAIA10	RC1-OT0083-150600-014-g08 OT0083 Hama sepiens cDNA	Homo sepiens mRNA for KIAA0554 protein, partial cds	Hamo sepiens DNA topoisomenase II beta (TOP2B) gene, exans 16, 17, and 18	Homo sapiens DNA topotsomerase II beta (TOP2B) gene, exuns 16, 17, and 18	Human hereditary haemochromatosis region, histone 2A-like protein gene, hereditary haamochromatosis (HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPTS) gene, complete ods	Human harveitharv havenochromatosis region. Historie 24-like protein gene, hereditary hasmochromatosis	(HLA-H) gene, RoRet gene, and sodium phosphate transporter (NPT3) gene, complete cds
Top Hit Database Source	ţ	1444	Т	٦	EST_HUMAN	EST_HUMAN	¥	Ę		N.				EST_HUMAN	Г	EST_HUMAN	¥	N.T.		EST_HUMAN	EST_HUMAN	¥		EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	Z	Ę		¥
Top Hit Acession No.	100001	Ţ,	,	2	F108300.1	1		<b>-</b> .		7.1	1	TN 6299923		8.4E-02 AA147572.1		V191956.1	7305186 NT	8.4E-02 AF052733.1	.1	1672896.1		6.4E-02 AL162757.2	6753323 NT	6.4E-02 AA093305.1	8.4E-02 AF150185.1	6.4E-02 BE834083.1	6.4E-02 AB011128.1	6.4E-02 AF087150.1	6.4E-02 AF087150.1	191328.1		J91328.1
Most Similar (Top) Hit BLAST E	1	0.05-02	6.5E-02 BE963200	6.6E-02	8.5E-02 BF106300.	6.5E-02 AA195648	6.6E-02 M21498.1	6.5E-02 AF102993	6.4E-02 X94549.1	6.4E-02 AE001777	6.4E-02	8.4E-02		8.4E-02		6.4E-02 AI191956.	8.4E-02	8.4E-02	6.4E-02	6.4E-02 AI672898.	6.4E-02	6.4E-02/	6.4E-02	6.4E-02	6.4E-02	6.4E-02	6.4E-02	G.4E-02/	8.4E-02/	6.45-02 U91328.1		6.4E-02 U91328.1
Expression Signal	,	1.17	0.65	0.65	0.53	4.51	4.16	7.31	1.74	0.83	0.83	1.16		258		1.19	1.15	4.16	4.16	0.72	4.64	0.52	2.79	7	0.92	0.61	1.75	0.59	0.59	2.18		2.18
ORF SEQ ID NO:		31241	36709	36710	37252	37492			28559			29007				31559	32285	32539	32540	32888	33542	34015		35397			36472					38483
SEQ ID		18396	23227	23227	23753	23968	25017	25255	13646	14775	14775	16085		18270		18624	19067	ı	ľ		ı	20651	21647	١.				23546	L			24895
Probe SEQ ID NO:		78	10302	10302	10832	11002	12164	12526	227	1748	1746	4933		5282		5525	2985	4228	6234	6542	0669	7688	82/38	9012	2483	4468	10075	10624	10624	4204R		12018

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Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO: 12424 12476 12476 12476 12476 12476 12474 11077 4278 8948 11077 4278 8888 8888 8888 8888	Exen SEQ ID NO: NO: 25861 25861 2587 119882 25890 222580 225	ORF SEQ ID NO: 32563 36773 36773 36773 36773 36773 36773 36773 36773 36773 36773 36773 36773 36773 36773 36773	Expression 5.38 5.08 5.08 5.08 5.08 5.08 5.08 5.08 5.0	8 4 18 4 18 1 18 1 19 1 18 1 1 1 1 1 1 1 1 1 1 1	Top Hit Detabase Source Source NT NT NT SWISSPROT EST_HUMAN NT SWISSPROT NT	Top Hit Describtor  Source  NIT Drosophila melanogaster mucin SB (MUCSB) gane, partial cds  NIT Drosophila melanogaster mRNA for mod(mdg4)51.4 protein  NIT Drosophila melanogaster mRNA for mod(mdg4)51.4 protein  Must homolog, CLCP, NG24, NG25, and NG26 gaines, complete cite; and unknown genes  SWISSPROT HEAT SHOCK PROTEIN 70 HOMOLOG  EST HUMAN (901873316F1 NIH1 MGC 54 Homo septens cDNA done IMAGE-4067489 5  NIT Hasplans gate encoding 18 autoantigan  NIT Hepatitis G virus RNA for polyprotein (NS5A region), partial cite, strain: CARR-152  EST HUMAN AVR689070 GRC Homo septens cDNA done GRCA-1670 5  EST HUMAN AVR689070 GRC Homo septens cDNA deren BMAGE-4067469 6  EST HUMAN AVR689070 GRC Homo septens cDNA deren BMAGE-4067469 6  NIT Retains noneglous differentiation-sesondated Ne-dependent Inorganic phosphate octemsporter (DNP1) mRNA, NIT Complete cds  SWISSPROT SC NO ROPOTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (ROS2)  NIT Retains noneglous PKC binding protein and substrate mRNA, complete cds  SWISSPROT SC NO ROPOTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (ROS2)  NIT Retains noneglous PKC binding protein and substrate mRNA, complete cds  NIT Arabidopase fellates DNA for adentyles options or confider the septens protein (NP7) mRNA, complete cds  NIT Arabidopase fellates DNA ferroneome 4, config fragment No. 45  NIT Arabidopase fellates DNA ferroneome 4, config fragment PNA, complete cds  NIT Arabidopase fellate DNA ferroneome 4, config fragment NP7 mRNA, complete cds  EST HUMAN Max musculus seronal cell derived feature mospetor 2 (Seff.2), mRNA
12259	25279			6.2E-02 AE000750.1 6.2E-02 BE793085.1	NT EST HUMAN	Aquifex eaclicus section 82 of 109 of the complete genome 601683773F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3937842 5
12676				6.ZE-02 BF112039.1	EST_HUMAN	737h08.x1 Soares NSF_F8_9W_OT_PA_P_S1 Homo sepiens cDNA clone IMAGE:3523815 3" stmiter to TROGY4S6 HYPOTHETICAL 30.3 KD PROTEIN [1];
256	13363	26278	3.09	6.1E-02 D16471.1 6.1E-02 U73325.1	TN TN	Human mKNA, Xq terminal portion Arabidopsis thaliana K+ inward rectifying channel protein (AtKC1) gene, complete cds
88 843					Į,	Homo septems KIAA1062 protein (KIAA1062), mRNA
8043 8235	19308			7662463 NT 4507070 NT		Fromo septens NAVIOSE protein (NAVIOSE), missos Homo septens SWISNE related, matrix essociated, actin dependent regulator of chromatin, subfamily a, member 3 (SMARCA3) mRNA
9098 8006		34989		6.1E-02 X99268.1 6.1E-02 BE971853.1	NT EST_HUMAN	H.sapiens mRNA for B-HLH DNA binding protein 601651086R1 NIH_MGC_81 Home sapiens cDNA clone IMAGE:3934604 3'
	ł					

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	Top Hit Descriptor	601651086R1 NIH_MGC_81 Hamo saplens aDNA clane IMAGE:3834604 3'	IL3-HT0618-110500-138-C06 HT0618 Homo sapiens cDNA	S.japonicum mRNA for serine-enzyme	b269107.x1 NCI_CGAP_Ov35 Hamo sepiens cDNA clane IMAGE:2292901 3'	Homo sapiens chromosome 21 segment HS210007	Thermotoga marttima section 89 of 138 of the complete genome	EST380924 MAGE resequences, MAGJ Homo sapiens cDNA	Mescoestoides cotti mitochondrial DNA, NADH dehydrogenase subunit 4, tRNA-Gin, tRNA-Phe, tRNA-Met, ATPase subunit 6, and NADH dehydrogenase subunit 2	zp78c04.r1 Stratagene HeLa cell s3 837216 Homo sapiens cDNA clone IMAGE:628310 5	2978c04.r1 Stratagene HeLa call s3 837216 Homo sapiens cDNA clone IMACE:626310 67	EST84286 Colon adenocarcinoma IV Homo sapiens cDNA 5' end similar to tissue-specific protein	EST84266 Colon adenocarcinoma IV Homo sapiens cDNA 5' end similar to tissue-specific protein	RC3-BT0253-011199-013-b04 BT0253 Homo sepiens cDNA	w/48h05.x1 Sogres_NFL_T_GBC_S1 Homo sepiens cDNA done IMAGE:2358873 S' struiter to contains	L1.t1 L1 L1 repetitive element;	Homo saplens etimulated trans-acting factor (60 kDa) (STAF60) mRNA	Homo septens stimulated trans-acting factor (50 kDa) (STAF50) mRNA	601815274F2 NIH_MGC_56 Homo sepiens cDNA clone IMAGE:4048226 5	601874710F1 NIH_MGC_54 Hamo sapiens cDNA clane IMAGE:4101074 5	qF8Bb08.x1 Scares_bestis_NHT Homo sapiens cDNA clone IMAGE:1754199 3'	Reclinamanas americana mitochandrian, camplete gename	ts78e08.x1 NCI_CGAP_GC8 Hamo sepiens cDNA clone IMAGE:2237362 3'	ts78e08x1 NCI_CGAP_GC8 Hamo sepiens cDNA clane IMAGE:2237362 3'	Actoenser baari partial IGLV gene for Immunoglobulin light chain variable region, excus 1-2	Acipenser baeri partial IGLV gene for Immunoglobulin light chain variable region, exons 1-2	EST180654 Jurket T-cells V Homo sepiens cDNA 5' end straitar to simitar to heat shock protein 1, 60 kDa- ilies	EST180854 Juriest T-cells V Homo seraiens cDNA 5 end similar to similar to heat shock protein 1, 60 kDa-	The state of the s	Homo sapiens DNA-dependent protein kinase catalytic subunit-interacting protein 2 (KIP2), mRNA	wf88h03.x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2360885 3' similiar to TR:060298 060298 KIAA0551 PROTEIN ;	RC1-DT0001-280100-012-e10 DT0001 Homo sepiens cDNA
	Top Hit Detaibase Source	EST_HUMAN	EST_HUMAN		EST_HUMAN	IN	NT	EST_HUMAN	NT	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	Ę	M	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	NT	IN	EST HIMAN		EST_HUMAN	NT	T_HUMAN	EST_HUMAN
	Top Hit Acessian No.	6.1E-02 BE971853.1	3.1		.1	2	.1	6.0E-02 AW988848.1	6.0E-02 AB031289.1	8.0E-02 AA188730.1	-	6.0E-02 AA372376.1	6.0E-02 AA372376.1	6.0E-02 AW370211.1		6.0E-02 A1807537.1	5174898 NT	174698	6.0E-02 BF382349.1	6.0E-02 BF210488.1	6.0E-02 Al204275.1	11466495 NT	6.0E-02 Al623167.1	6.0E-02 A1623167.1	6.0E-02 AJ245365.1	6.0E-02 AJ245365.1	R 0F.02 A A 300707 1		G.0E-02 AA309797.1	. 11431702 NT	G.0E-02 AI809273.1	5.9E-02 AW834719.1
	Most Similar (Top) Hit BLAST E Vetue	6.1E-02	6.1E-02	6.1E-02 X70969.1	6.1E-02	6.1E-02	8.0E-02	6.0E-02	6.0E-02	8.0E-02	6.0E-02	6.0E-02/	6.0E-02/	6.0E-02/		6.0E-02/	6.0E-02	6.0E-02	6.0E-02	6.0E-02	6.0E-02	6.0E-02	6.0E-02	6.0E-02	6.0E-02	6.0E-02	A OF ON		6.0E-02	6.0E-02	6.0E-02	5.9E-02
	Expression Signal	1.83	3.44	2.42	1.35	7.44	1.25	1.17	1.98	1.47	1.47	1.62	1.52	0.76		0.98	2.79	2.79	2.08	0.57	1.71	0.62	1.17	1.17	2.03	2.03	2	3	99.0	3.08	3.16	5.34
	ORF SEQ ID NO:	35394	37506				27263			26137	26138	28222	28223			32851	31212	31213	33714	33833	34277		36020	36021	38159	36160	344968		36676	31792		.26255
	SEQ ID	21974	24044	25897	25774	25491	14302	15680	15775	13213	13213	16238	16298	18573		19410	18411	18411	20362	20473	20886	21732	22671	22571	22702	22722	22400	3	23190	25223	1	1 1
	Probe SEQ ID NO:	8006	11082	12218	12778	12912	1287	2884	2783	878	2048	3243	3243	5472		6341	7180	7180	7394	7508	\$	8786	17396	1298	9761	9761	10005	3321	10285	12475	12845	232

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Single Exon Probes Expressed in Bone Marrow

•			TBC_cn18b09 random	TBC_cn18b09 random			<b>(2)</b>		e for chloroplast product	synfrase, complete cds		r to TR:094979 094979	miler to conteins Alu					to TR:G769859 G769859							•		ste cds	spe eqs	
	Top Hit Descriptor	Limedoana opbiligene	cn18b09.y1 Normal Human Trabecular Bone Cells Homo sepiens cDNA clone NHTBC_cn18b09 random	cn18b09.y1 Normal Human Trabecular Bone Cells Homo sapiens cDNA clone NHTBC_cn18b09 random	Homo sapiens chromosome 21 segment HS21C103	Pig DNA for SPAI-2, complete ods	Homo sapiens fragile 16D oxido reductase (FOR) gene, exons 8, 9, and partial cds	Pan troglodytes apolipoprotain-E gene, complete cds	Hydrocotyle rotundifolia ribosomai protein L16 (rpH8) gene, intron; chloroplast gene for chloroplast product	Lycoperation esculentum LE-ACS8 mRNA for 1-eminocyclopropane-1-carboxylate synfhase, complete cds	2545c01.s1 NCI_CGAP_GCB1 Homo sepiens cDNA clone IMAGE:7004163'	X02c10.x1 NCI_CGAP_UZ Homo seplens cDNA clone IMAGE:2656050 3' similar to TR:094979 094979 KIAA0905 PROTEIN;	od47/12.s1 NCI_COAP_GCB1 Homo sepiens cDNA clone IMAGE:1371119 3' similer to contains Alu	CVA.BND147_201401_214_077 BND147 Homo saniens CDNA	adfadol1x1 Soares testis NHT Homo sapiens cDNA clone IMAGE:1734308 3"	601067158F1 NIH MGC_10 Hamo septens cDNA clane IMAGE:3453Z79 57	601067158F1 NIH_MGC_10 Hamo sepiens cDNA clane IMAGE:3453279 5	nf49d07.s1 NCI_CGAP_AV1 Home septems CDNA clone IMAGE:823245 stmiter to TR:G769859 G769859	LAMINA ASSOCIATED POLITIEF IDE 10.;	FIGHTO SECRETS I ESTIN ZEND I ESTIN SOCIEDES, COMPRES COS, EMBRINGS SPACED	H.sepiens gene encoding Le autoantigen	Mus muscutus SH3 domain protein 1B (Sh3d1B), mRNA	Gellid harpesvirus mRNA fragment	TROPOMYOSIN ALPHA CHAIN, NON MUSCLE	TROPOMYOSIN ALPHA CHAIN, NON MUSCLE	Mus musculus fuffelin 1 (Tuft1), mRNA	(Homo sepiens sodium-dependent Warrin C transporter 1 (SVCT1) mRNA, complete cds	[Homo sapiens sodium-dependent vitamin C transporter 1 (SVCT1) mRNA, complete ods	Homo septens elF4E-transporter (4E-T), mRNA
	Top Hit Database Source	NT	EST_HUMAN	EST_HUMAN	TN	M	NT	NT	NT	Į.	EST HUMAN	EST HUMAN	ECT LINAN	EST HIMAN	EST HIMAN	EST HUMAN	EST HUMAN		EST_HUMAN	Į.	Į.	NT	NT	SWISSPROT	SWISSPROT	NT	TN	NT	N.
	Top Hit Acession No.	749963.1	6.7E-02 AI762885.1	.1	5.7E-02 AL163303.2		5.7E-02 AF217490.1	5.7E-02 AF281280.1	5.6E-02 AF094455.1	5.6E-02 AB013100.1	5.6E-02 AA290599.1	6.6E-02 AW172708.1	A 008400 4	S.CE-UZ AMBOOTOK. 1	11489583 4	5.0E-02 Allesson. 1	5.6E-02 BE642663.1		5.6E-02 AA482884.1	1F260225.1	6.5E-02 X97869.1	6755501 NT	.41561.1	201174	201174	6755902 NT	6.5E-02 AF170911.1	5.5E-02 AF170911.1	10947034 NT
	Most Similar (Top) Hit BLAST E Vatue	5.7E-02 Z49963.1	6.7E-02	5.7E-02 A1752685	5.7E-02	5.7E-02 D50320.1	5.7E-02	5.7E-02	5.0E-02	5.6E-02	5.6E-02	5.6E-02	8	3.0E-02.7	5.0E-02 BEWOOD	5.0E-02	5.6E-02		5.6E-02/	5.6E-02/	6.6E-02	5.5E-02	5.5E-02 L41561.1	5.6E-02 Q01174	5.5E-02 Q01174	5.5E-02	5.5E-02	5.5E-02	5.5E-02
	Expression Signal	0.49	3.22	3.22	1.89	8.27	3.72	5.65	1.85	1.92	121	6.83	100	0.77	4 6	2.67	247		9.	1.87	8.23	3.44	1.13	3.09	3.81	1.85	0.69	0.69	0.63
	ORF SEQ ID NO:	37365	38013	38014					27533	30578	30636	83,68	8	3200	7/055	2.F. 4.8	35549		36576		28678	29207				33925		34843	
	SEO ID NO:	23850	24462	24462	24642	25782	25855	25958	14562	17892		J	<u> </u>	/ROAD	27070	27120	22120		23088	24772	15680	16283	17273			20564	21426		
	Probe SEQ ID NO:	10930	11621	11521	11678	12573	12794	12930	1529	4871	4725	6817	, in	6/0/	2007	915	9454		10171	11891	2683	3228	4244	5742	6141	7803	8457	8457	10013

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Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor Source	Homo saptens elF4E-transporter (4E-T), mRNA	Mus musculus second II.11 receptor alpha chain (II.11Ra2) gene, exans 1 and 2	Citrobacter freundii DSM 30040 cyclopropane fetty acid synthese (cfa) gene, partial cds, dihydroxyacetone idnase (draft), glycerol dehydrogenase (draft), transcriptional activator (draft), 1,3-propanediol	Using contact handhaling and a (RIDLA) (RIDLA) mRNA	From softing the State for an extra Democra Birth tracklider		Ť	HILLO MEDICINEIS ONAL"ZO ROMODO MIXAA, CAMPIERE CAS	Bacillus subtilis complete genome (section 13 of 21); from 2395.201 to 2613730	Homo sepiens TESTIN 2 and TESTIN 3 genes, complete cds, alternatively spliced	Neurospara crassa ubiquinol-cytochrome c addoreductase subunit VIII.(QCR8) mRNA, complete cds	HUIMAN QV0-ST0213-0292-062-409 ST0213 Homo septems cDNA	Г	ye37f12.r1 Strategene lung (#837210) Homo sapiens cDNA clone IMAGE:119951 5' stritiar to gb:K01506 IUMAN HLA CLASS II HISTOCOMPATIBILITY ANTIGEN, DP(1) ALPHA CHAIN (HUMAN);	Pseudomonas putida ttgS gene	Drosophila melenogaster laminin B2 gene, complete ods	Drosophila melanogastar laminin B2 gene, complete cds	Pseudomonas putida tigS gene	Arabidopais theliana eli5 gene, exons 1-11	Mus musculus caudal type homeobox-1 (Odx-1) gene, complete cds	Helicobacter pylori 28895 section 5 of 134 of the complete genome	Helicobacter pylori 26995 section 5 of 134 of the complete genome	Humen heperan sulfate proteoglycen (HSPG2) mRNA, complete cds	Lymphocystis disease virus 1, complete genome	Hesmophilus influenzae Rd section 147 of 163 of the complete genome	nuclear protein TIF1 isoform [mice, mRNA, 4053 nf]		Mus musculus 128/5v cystatin C (cst3) gene, complete cds	Podospora anserina mitochondriai epsilon-een DNA	Home sepiens hCMT1b mRNA for mRNA (guanine-7-)methyfransferase, complete cds	Homo sapiens hCMT1b mRNA for mRNA (guanine-7-)methyltransferasa, complete cds
L	<u> </u>	노	ᅜ	ţ	z !		N I	3	Ξ	Ę	뇐	토	EST H	EST_HUMAN	EST HUMAN	호	호	눌	호	토	E	ΝŢ	노	Ψ	뉟	۲	L	SWISSPROT	NT	¥	¥	노
	Top Hit Acession No.	10947034 NT	6.6E-02 U69482.1	2 PT-001	6.0E-02 C08//1.1	11421334	5.4E-UZ AJZ//408.1	DEV/ 3400.1	5.4E-02 U85806.1	5.4E-02 Z99116.1	6.4E-02 AF260225.1	5.4E-02 U20780.1	5.3E-02 AW391248.1	5.3E-02 AW391248.1	5.3E-02 T94759.1	6.3E-02 AJZ76408.1	5.3E-02 M58417.1	5.3E-02 M58417.1	5.3E-02 AJ276408.1	5.3E-02 AJ011048.1	5.3E-02 M80463.1	6.3E-02 AE000527.1	5.3E-02 AE000527.1	5.3E-02 M85289.1	9695413 NT	5.3E-02 U32832.1	5.3E-02 S78221.1	P38742	5.3E-02 U10098.1	5.3E-02 X03127.1	5.3E-02 AB022805.1	5.3E-02 AB022605.1
	Most Similar (Top) Hit BLAST E Value	5.5E-02	6.6€-02	!	9.0E-02	0.05-02	5.4E-UZ	0.45-02	5.4E-02	5.4E-02	5.4E-02	5.4E-02	5.3E-02	5.3E-02	5.3E-02	6.3E-02	5.3E-02	5.3E-02	5.3E-02	5.3E-02	5.3E-02	6.3E-02	5.3E-02	5.3E-02	6.3E-02	5.3E-02	5.3E-02	5.3E-02 P38742	5.3E-02	5.3E-02	5.3E-02	5.3E-02
	Expression Signal	0.63	1.45	9	48 84 84 84 84 84 84 84 84 84 84 84 84 8	3	1.02	180	0.7	1.05	0.53	1.54	1.9	19.1	16.63	2.12	0.95	0.95	5.38	6.0	8.41	1.8	1.8	3.03	3.94	123	212	0.51	0.5	2.05	0.61	0.61
	ORF SEQ ID NO:	36406	38510			21300			29885		35828	37543	27052		l	28533	28937	28938	29137	30550	31041	31372				33606		34507		35886	36911	38912
	SEO ID NO:	22940	23033		24509	ORO	16090	33	16971	21431	22390	24020	14102	14102	14539	15507	1691	16011	16222	17682	18134	18485	18485	19236	20080	20271	20546	21108	21716	22445	23413	23413
	Probe SEQ ID NO:	10013	10107		138	23052	3032	3	<b>38</b>	8462	8248	11057	1056	1088 88	1506	2504	2858	2853	3167	4841	5125	5392	2885	6222	2068	8822	7585	6028	8748	9481	10491	10491

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igia Exon Flores Expressed in Cores malow	Top Hit Descriptor	D.rento mRNA for zp-23 POU gene, splice variant (neurula, 9-16 hpf and postsomitogenests, 20-28 hpf)	B.rerio poujc] mRNA for transcription factor	H. saptens mRNA for HMG-CoA-synthase	Homo sapiens meprin A, alpha (PABA peptide hydrolase) (MEP1A) mRNA	Homo sapiens partial LMO1 gene for LIM domain only 1 protein, exon 1	Homo sapiens partial LMO1 gene for LIM domain only 1 protein, exon 1	Arabidopsis thaliana putative dicarboxylate dilron protetn (Ord1) mRNA, complete ods	Mus musculus cytokine Inducible SH2-containing protein 3 (Cish3), mRNA	Human stardd hormane receptar Ner-1 mRNA, camplete ads	Saccharomyces cerevisiae Cdc54p (CDC54) gene, complete cds	wj80e04x1 NCI_CGAP_Lym12 Homo sapiens cDNA clone IMAGE:2409150 3' similar to contains MER15.b1 MER15 repetitive element :	DNA POLYMERASE PROCESSIVITY FACTOR (POLYMERASE ACCESSORY PROTEIN) (PAP) (DNA-	BINDING GENE 18 PROTEIN)	Homo sapiens chromosome 21 segment HS21C004	Turnip mosaic virus genamic RNA far Capsid protein, camplete cds	Turnip mosaic virus genomic RNA for Capsid protein, complete cds	HSPD25097 HM3 Homo sapiens cDNA clone s3000039A02	HSPD25097 HM3 Homo sapiens cDNA clone s3000039A02	OXALOACETATE DECARBOXYLASE ALPHA CHAIN	DKFZp547D073_r1 547 (synonym: hfbr1) Homo septens cDNA clone DKFZp547D073 5	Homo saplens PBII gene for salivary proline-rich protein P-B, complete cds	HIV-1 patient 86 from Italy protesse (pol) gene, complete cds	QV0-UM0051-250800-350-b08 UM0051 Hamo sepiens cDNA	Human hypoxamthine phosphoribosylfuansfarase (HPRT) gene, complete cds	Human hypoxambine phosphoribosyltransferase (HPRT) gene, complete cds	Spodoptera littoralis mRNA for 3-dehydroecdysone 3beta-reductase	KERATIN, TYPE I CYTOSKELETAL 14 (CYTOKERATIN 14) (K14) (CK 14)	KERATIN, TYPE I CYTOSKELETAL 14 (CYTOKERATIN 14) (K14) (CK 14)	Candida albicans protein phosphatase Ssd1 homolog (SSD1) gene, complete cds	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX)	Homo sepiens ES18 mRNA, partial cds	Homo sepiens ES18 mRNA, partial cds
AUI F10003 L	Top Hit Datebase Source	¥	F	NT	NT	NT	IN	NT	NT	NT	NT	EST HUMAN		SWISSPROT	NT	NT	IN	EST_HUMAN	EST_HUMAN	SWISSPROT	EST_HUMAN	MT	NT	EST_HUMAN	M	NT	LNT .	SWISSPROT	SWISSPROT	NT	SWISSPROT	M	Z,
J DIIIGIA	Top Hit Acesston No.	5.3E-02 Y07907.1	6.3E-02 X68432.1		5031908 NT	1	1	AF238101.1	6671757 NT	U07132.1	5.2E-02 U14731.1	5.2E-02 AI830885.1			6.2E-02 AL163204.2			5.2E-02 F32386.1		5.2E-02 Q03030		1	5.1E-02 AF280369.1	5.1E-02 BF378625.1			1.1			5.1E-02 AF012898.1		1	5.1E-02 AF083930.1
	Most Similer (Top) Hit BLAST E Value	5.3E-02	6.3E-02	5.3E-02	5.2E-02	5.2E-02	5.2E-02	5.25-02	5.2E-02	6.2E-02	5.2E-02	5.2E-02		5.2E-02 P36322	6.2E-02	5.2E-02	5.2E-02	5.2E-02	5.2E-02	5.25-02	5.1E-02	5.1E-02	5.1E-02	5.1E-02	5.1E-02	5.1E-02	5.1E-02	5.1E-02 P02533	5.1E-02 P02533	5.1E-02	5.1E-02 P40603	5.1E-02	5.1E-02
	Expression Signal	0.6	0.69	2.08	89.73	1.98	1.98	67.0	76.0	3.36	99'0	122		1.07	2.15	1.77	1.77	6.42	5.42	1.55	76.0	<b>76</b> .0	0.68	1.78	0.77	0.77	1.26	0.61	0.61	7.1	1.66	2.19	2.19
	ORF SEQ ID NO:	Ĺ	37111	38558		20092			<u> </u>	30214	32310			33813		36487	36488	38357	38358				33175	31258	34978		35081	35634	35635		69698		32000
	Exam SEQ ID NO:	23540	23817	24963	15305	16188	16188	17000		17336	19108	19302		20454	21506	23014	23014	24769	24769	25358	16380	18054	19884	18371	21584		21658	22203	22203	23083	23464	24135	24135
	Probe SEQ ID NO:	10618	10695	12092	2283	3131	3131	3968	3962	4307	6025	8008		7489	8637	10087	10087	11888	11888	12693	2372	50.	6830	7039	8288	8286	8890	9237	7828	19188	10542	11179	11179

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Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO:	Exxn SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
12699	25359		1.75	5.1E-02	5.1E-02 AF062467.1	NT	Quoumis melo polygalacturonase precursor (MPG3) mRNA, complete cds
12981	15534		1.8		5.1E-02 AA534104.1	<b>EST_HUMAN</b>	nj7302.s1 NCI_CGAP_Pri0 Homo sepiens cDNA clone IMAGE:998139
88	13556		2.18		5.0E-02 AF098004.1	M	Mus muscutus fatty acid arride hydrolase gene, excn 10
835						NT	O. virginianus (HEL37) microsatelitie DNA
1209	14247	27205	4.03	5.0E-02	5.0E-02 Z99104.1	NT	Bacillus subditis complete genome (section 1 of 21); from 1 to 213080
2002	15028	28036	484	5.0E-02 P02810	P02810	SWISSPROT	SALIVARY ACIDIC PROLINE-RICH PHOSPHOPROTEIN 1/2 PRECURSOR (PRP-1/PRP-3) (PRP-2/PRP-4) (PIRP-2/PRP-3) (PRP-2/PRP-4) (PIRP-5) (PRP-1/PRP-3) (PRP-2/PRP-3) (PRP-2/PRP-3) (PRP-2/PRP-3) (PRP-3/PRP-3) (PRP-3/PRP-3) (PRP-3/PRP-3) (PRP-3/PRP-3) (PRP-3/PRP-3) (PRP-3/PRP-3/PRP-3) (PRP-3/PR-3/PR
2829	14040	28995		5.0E-02	-	NT	Oryctologus cuniculus UDP-glucuronosyltransferase (UGT2B13) mRNA, complete cds
3348	16399		1.34	5.0E-02	7305610 NT	NT	Mus muscutus Uno-51 like kinase 2 (C. elegans) (Ulk2), mRNA
3609	16654		1.01	5.0E-02	5.0E-02 U32782.1	NT	Haemophlius Influenzas Rd section 97 of 163 of the complete genome
3696	16739	29652	13.52	5.0E-02		NT	Antheraea pernyl period clock protein homolog mRNA, complete cds
6253	19326	32667	0.77	6.0E-02			Gallus gallus tyrosine kinase JAK1 (JAK1) mRNA, complete cds
944	19506		1.25	5.0E-02	25.1	NT	Mus musculus Dmp-1 gene, exans 1-6
7181	18412	31214			P35616	SWISSPROT	NEUROFILAMENT TRIPLET L PROTEIN (NEUROFILAMENT LIGHT POLYPEPTIDE) (NFL)
7785	20738	34110	,	5.0E-02 P35616	P35616	SWISSPROT	NEUROFILAMENT TRIPLET I. PROTEIN (NEUROFILAMENT LIGHT POLYPEPTIDE) (NF-L.)
8008	20946		0.52		5.0E-02 AW082454.1	EST_HUMAN	MR0-CT0064-100899-002-g10 CT0064 Homo saplens cDNA
10560	23482	36977	1.28		5.0E-02 AF305238.1	NT	Mus musculus Fas-Interacting serine/firecrine kinase 3 (Fist3) mRNA, complete cds
11820	24703	38286	2.47	6.0E-02	.1		Methanococcus jannaschii section 142 of 150 of the complete genome
12228	25818		6.4	5.0E-02 Q04047		SWISSPROT	NO-ON-TRANSIENT A PROTEIN
228	13325		27.61	4.9E-02			Chicken 28-kDa vitamin D-dependent calcium-binding protein (CaBP-28) mRNA, complete cds
369	13456	26384	2.96	4.9E-02		NT	Homo sapiens ABCA1 (ABCA1) gene, complete cds
369	13456	28385	2.86	4.9E-02	48.1		Hamo sapiens ABCA1 (ABCA1) gene, complete cds
3302	16355	28274	1.64	4.9E-02 P54258		SWISSPROT	ATROPHIN-1 (DENTATORUBRAL-PALLIDOLUYSIAN ATROPHY PROTEIN)
7020	16000		7.0	200	4 05 02 44488040 4	MAMIN TOO	zq48a12.e1 Stratagene hNT neuron (#837233) Homo septems cDNA clone IMAGE:632828 3' shniler to
300	18850	20566	980	4 9F-02		Т	TABARS at Soares testis NHT Homo seniers CDNA clone IMAGE:728428 3
3605	16850	29567	960	4.9F-02	T		zi78ad3.s.; Scares testis. NHT Home sentens cDNA clone IMAGE:778429.3
4877	17894	30783	2.11	4.9E-02	Ţ	HUMAN	Ag66g10.x1 NCL CGAP Ut4 Homo septens cDNA clone IMAGE:2632386 3"
4877	17894	30784	2.11	4.9E-02		EST_HUMAN	xg56g10.x1 NCI_CGAP_UM Homo septens cDNA clone IMAGE:2632386 3'
5444	18546	31458	1.71	4.9E-02	4.9E-02 1.00122.1	NT	Rat elastase II gene, excn 6
5444	18546		1.71	4.9E-02	4.9E-02 L00122.1		Rat elastase II gene, exon 6
7349	20319	33666	2.83	4.9E-02			Archaeoglobus fulgidus section 127 of 172 of the complete genome
8963	21929		0.91	4.9E-02			Chlamydia munidarum, section 40 of 85 of the complete genome
9107	22073	36600	0.8	4.9E-02	4.9E-02 AL 161559.2	¥	Arabidopsis thaliana DNA chromosome 4, contig fragment No. 69

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Most Similer  Expression (Top) Hit Top Hit Acession Databese Signal BLAST E No. Source	0.53 4.9E-02 P19532 SWISSPROT	183 3.44 4.9E-02 AF008303.1 INT Hamo sepiens prepro placental TGF-beta gene, complete cds	6.68 4.9E-02 M19394.1 NT Human gamma-B-crystallin (gamma-C-crystallin (gamma-2-1) genes, complete ods	1.06	2.41 4.8E-02 D16471.1 NT	12.99 4.8E-02 AF003100.1 NT	2.24 4.8E-02 W51883.1 EST_HUMAN	1,83	1.24 4.8E-02 Z54280.1 NT	0.63 4.8E-02 U91914.1 NT	1.66		0.76 4.8E-02 AJ001398.1 INT	832893 NT	ya97f09_r1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:291017 5' similar to contains Alu repetitive element.	0.88 4.7E-02 BF686825.1 EST HUMAN	0.88 4.7E-02 BF686825.1 [EST_HUMAN	1.56	8.56 4.7E-02 X15543.1 NT	1.65 4.7E-02 X89211.1 NT	2.61 4.7E-02]AB026678.1 NT	7.94 4.7E-02 X15543.1 NT	0.55 4.7E-02 BF305237.1 EST_HUMAN	0.56 4.7E-02 A1873042.1 EST_HUMAN		1.56 4.7E-02 AJZ77682.1 NT	1.08 4.6E-02 BE153583.1 EST_HUMAN	3,47 4.6E-02 AE000445.1 NT	366 3.62 4.6E-02/AV727059.1 [EST_HUMAN AV727059 HTC Homo sepiens cDNA clone HTCBWCO1 5'
ORF SEQ Expression ID NO: Signal	37075 0			26344		26486 12				31060 0				_	33445					35701		35955	36395				26292		
SEQ ID OR ID	23578	24616	25473	13420	13420	13562	15294	16277	17719	18183	21446	22449	22449	26242	20430	20091	20091	20037	21562	ozzz	22232	22544	22832	23018	25970	25570	1	13802	14395
Probe SEQ ID NO:	10656	11730	12879	330	331	88	8	3222	4698	5174	8477	2485	9485	12505	70	88	88	788	<b>8</b> 894	8305	1288	<b>3</b> 285	10005	10092	12783	13022	82	741	1361

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Top Hit Database Source	.1 EST_HUMAN	1 EST HUMAN		1 EST_HUMAN   PMO-HT0339-251199-003-g06 HT0339 Homo sepiens cDNA	1 EST_HUMAN	1 NT Mus musculus nucleolar RNA helicase II/Gu (ddcZ1) gene, complete ds	EST_HUMAN	Haplochromis burtoni gonedotropin-releasing hormone and GnRH-associated peptide precursor (Grnh2)  orene, complete ods				EST_HUMAN	78720 NT	1 EST_HUMAN	1 EST_HUMAN	NT Oryctolagus cuniculus macrophage scarvenger receptor type II mRNA, complete cds	TN	SWISSPROT	1 NT	1 NT	SWISSPROT   HEPATOCYTE NUCLEAR FACTOR 3-BETA (HNF-3B)	1 NT	2 NT	1	2	2 NT	Methanosarcina frisia carbon monodde dehydrogenase large subunit (cdhiA) gene; carbon monodde NT dehydrogenase small subunit (cdhiB) gene, complete cds	Methanosarcina frisia carbon monodda dahydrogenasa large subunit (odhIA) gene; carbon monodda NT dehydrogenasa smeil subunit (odhIB) gene, complete cds	1 NT
Top Hit Acession No.	7	1	1	1	1	1	4.6E-02 AA079157.1 ES	_					78720	1	Ţ				1	1		1	2			2			2
Most Similar (Top) Hit BLAST E Value	4.6E-02 AW236023	4.6E-02 BE153583.	4.6E-02	4.6E-02 BE153583.	4.6E-02 BE153583.	4.6E-02 AF220365.	4.6E-02	4 RE-NO A ENTROPO	4 6F-02 X81624.1	4 RE-02 XR1824 1	77	4.6E-02 AH 49574.1	4.6E-02	4.6E-02 BE154006.	4.6E-02 AA913328.	4.6E-02 L11692.1	4.6E-02 X57808.1	4.5E-02 P22448	4.5E-02	4.5E-02 AF005730.	4.5E-02 P32182	4.5E-02 AE003984.	4.5E-02 AL163278.	1	4.95-02/	4.5E-02 AL 163280	4.5E-02 L26487.1	4 5F-001 28487 1	4.5E-02/
Expression Signal	4.32	1.83	0.67	29.0	0.94	1.24	16:0	67 1	448	4 48	F	1.61	99.0	2.89	5.31	1.99	8.41	1.0	0.78	0.78	4.23	3.34	4.42		3.5	0.94	96'0	8	234
ORF SEO ID NO:	28525	28292	28888				31129	32008	32688	33880	acona	33618	34470	35391	38H94			26453	27217	27218	27841	28159	29691			32890	3330		
Econ SEQ ID NO:	15490					17180			\$ 25	20,00	2746	20191	21071	21969	24617	25967	25552	13520	14280	14280	14848		16778	L		19713	20084		
Probe SEQ ID NO:	2496	2819	3020	3342	3507	4149	5252	60	8	3 2	200	8868	8134	806	11731	12781	12992	447	1222	1222	1821	2119	3736		6358	9999	2	Ş	8736

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Single Exon Probes Expressed in Bone Marrow

	1			Most Similar		1	
SEQ ID NO:	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	(Top) Hit BLAST E Vatue	Top Hit Acession No.	Destrabasse Source	Top Hit Descriptor
10309	23233	36715	4.58		4.5E-02 AA325218.1	EST_HUMAN	EST28167 Carebellum II Homo sapiens cDNA 6 and similar to similar to neuro-D4 protain
10460	L	38875	0.43		4.5E-02 X95508.1	NT	A europaeum mRNA for legumin-like protein
10577	<u> </u>	38891	0.81		4.5E-02 AB000470.1	N	Gallus gallus mRNA for alphan integrin, complete cds
12440					11418013 NT	F	Homo septens ret finger protein-like 3 (RFPL3), mRNA
12823	25883	31440	7.3		4.5E-02 AA191097.1	<b>EST_HUMAN</b>	zq43f11_r1 Stratagene hNT neuron (#637233) Homo sapiens cDNA clone IMAGE:632493 5
Ø	13322		4.84		4.4E-02 BE972733.1	EST_HUMAN	601652154F1 NIH_MGC_82 Hamo sepiens cDNA clane IMACE:3935388 5
2107	15124		6.38	4.4E-02 P31568	P31568	SWISSPROT	HYPOTHETICAL PROTEIN (ORF 2280)
2498		28527	2.11	4.4E-02	4.4E-02 AW875475.1	EST_HUMAN	QV2-PT0012-010300-070-g02 PT0012 Homo sapiens cDNA
3854	16697		2.01	4.4E-02	4.4E-02 AF159160.1	NT	Myxococcus xanifuus serine/threcnine kinase Plan10 (plan10) gene, complete cds
4657	17878	30503	1.25		4.4E-02 AF109907.1	Į.	Homo sepiens S164 gene, partial ods; PS1 and hypothetical protein genes, complete ods; and S171 gene, partial ods
							Homo sapiens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene,
4857	17878	30564	1.25		4.4E-02 AF109907.1	MT	pertial cds
4771	16221		0.94		4.4E-02 AJ222689.1	NT	Ovis aries CCAAT-enhancer binding protein epsilon gane
7325	96202				4.4E-02 AF095824.1	NT	Canis familiaris matrix metalicproteinase 9 (MMP-9) mRNA, partial cds
7325	20298	33640	0.59		4.4E-02 AF095824.1	L	Canis familiaris matrix metalloproteinase 9 (MMP-8) mRNA, partial cds
9105		35497	2.17		4.4E-02 AA736969.1	EST_HUMAN	rw/13h03.s1 NCI_CGAP_SS1 Hamo sepiens aDNA dane IMAGE:1239221 3'
						ļ	Hepatitis E wirus strath HEV-US2 polyprotein (ORF1), (ORF3), and capsid protein (ORF2) genes, complete
11409					4.4E-02 Al-080888.1	NI FOT LIMANI	COS 2022/2014 of Carelor Wilms timms Home conjune Alma MACE-807834 R
30	4/447	30000			A4460/39.1	TOWNER TOWNER	SECTION OF THE PROPERTY OF THE
12138	┸		77.7		4.4E-UZ ABU4U8ZO.1	N I	FAILD SQUARES HILLY AND LIKE THOSE PROBLES WAS BRACKED AND THE RELIEVE AND THE
12346					4.4E-02 BF241243.1	ESI HOMAN	WIGO 1909 THIS AND THE SQUARES WIND COME INVOCATIONS OF
		20/07	5A.C		4.3E-02/AP003249.1	POT LIMAN	MANAGE SECTION STATES COME COME AD BUILDING COME STATES OF THE WAY WITHOUT THE STATES OF THE STATES
2 22	200				4.9E-02 At 189240.2	101 - 101 -	Homo satiliars chromosome 21 segment HS21C010
3874	16714				4.3E-02 AF080568.1	¥	Homo sapiens promyelocytic leukemia zinc finger protein (PLZF) gens, complete cds
8	1_	32977	4.62		P30427	SWISSPROT	PLECTIN
9844					P30427	SWISSPROT	PLECTIN
8838	19948		67.0	•	4.3E-02 AA652268.1	<b>EST_HUMAN</b>	ns68c12.s1 NCI_CGAP_Pr2 Hamo sepiens cDNA clane IMAGE:1188886
8858	21825		0.9		4.3E-02 AF283359.1	NT	Homo sepiens desmoodlin 3 (DSC3) gene, complete cds, alternatively spliced
ଅଞ	22119		96.0		4.3E-02 X55322.1	NT	H.sapiens NCAM mRNA for neural cell adhesion molecule
भछ					4.3E-02 X55322.1	N	H. septens NCAM mRNA for neural cell adhesion molecule
828		26832				EST_HUMAN	AU123327 NT2RM2 Hamo septens cDNA clone NT2RM2000020 6
867	13923		2.58		4.2E-02 AU123327.1	EST_HUMAN	AU123327 NT2RM2 Hamo sapiens cDNA clone NT2RM2300020 5

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Top Hit Descriptor	Aeropyrum pemix genomic DNA, section 6/7	Xyleta fastidiosa, section 121 of 229 of the complete genome	ai55c09.s1 Soares_parathyroid_tumor_NbHPA Homo sepiens cDNA clone 1360912.3"	601762117F1 NIH_MGC_20 Hamo sapiens cDNA clone IMAGE:4024973 5	Homo septens solute carrier family 22 (organic cetion transporter), member 1 (SLC22A1), mRNA	H.vulgare Ss1 gene for sucrose synthase	Homo sepiens genomic region containing hypervariable minisatellites chromosome 10(10q25.3) of Homo saniens	Home seniors contents make containing hypervariable minisatelities chromosome 10(10q28.3) of Homo	sapiens	C.giutamicum gap, pgk and tpi ganes for ghoaraidehyda-3-phosphata, phosphogrycerate kinase and	nosepnosprese	C.gtutarnicum gap, pgk and tol ganes for glyceraldenyde-3-phosphata, phosphoglycerate kinase and tricsephosphata isomerase	Homo sapiens RU2AS (RU2) mRNA, complete cds	QM2-EN0013-110500-192-b10 EN0013 Homo sapiens cDNA	CAIZ-EN0013-110500-192-b10 EN0013 Hamo sepiens aDNA	Methanococcus jannaschil section 117 of 150 of the complete genome	Chromatium vinosum sutfur globule protein Cv2 precursor (sgp2) gene, complete cds	mx20e05.s1 NCI_CGAP_GCB0 Home sepiens oDNA clone IMAGE:1241024 3' similar to gb:J00314_me2	LOBOLLIN DE LATE CAMIN (HOMBAN),	MINUTED CONTROL OF THE CONTROL	Dictyostelum discondeum undrown spore germinaud repodino proestrine proestr, vii., viiz. and viis yenes, complete eds	Dictyostelium discoideum unionown spore germination-specific protein-like protein, orff, orf2 and orf3 genes,	complete cds	602020453F1 NCI_CGAP_Bm67 Homo seplens cDINA cione IMAGE:41b6116 b	Drosophila melanogaster tiggrin mRNA, complete cds	Homo sapiens microsomal epodde hydrolasa (EPHX1) gane, complete cds	602085136F1 NIH_MGC_83 Hamo sapiens cDNA dane IMAGE:4249377 5	602085136F1 NIH_MGC_83 Hamo saplens cDNA clane IMAGE:4249377 5	Thermotoga marttima section 85 of 136 of the complete genome	CYSTATHIONINE BETA-LYASE PRECURSOR (CBL) (BETA-CYSTATHIONASE) (CYSTEINE LYASE)
Top Hit Detabase Source	NT.	\ \	EST_HUMAN	EST_HUMAN			<u> </u>		ĸ		Į.	Ę		EST HUMAN	HUMAN		Ę		Т	ESI HOMAN	눌			T_HUMAN	F	Į.	EST_HUMAN	EST_HUMAN	NT.	SWISSPROT
Top Hit Acession No.	3.7E-02 AP000063.1				8382	ı			3.6E-02 AL096810.1		(50403.1	FOAMA 1	3.6E-02 AF181722.1	3 8F-02 AW945516.1	3.6E-02 AW945516.1	J67575.1	3 RE-02 A F026952 4		3.6E-02 AA714521.1	3.6E-02 BE143078.1	J20608.1		3.6E-02 U20608.1	3.6E-02 BF347588.1	3.5E-02 U09506.1	3.6E-02 AF263417.1	3.5E-02 BF678085.1	3.5E-02 BF678085.1	3.6E-02 AE001773.1	P53780
Most Similar (Top) Hit BLAST E Vatue	3.7E-02/	3.7E-02/	3.7E-021/	3.7E-02	3.7E-02	3.6E-02 X73221.1	8	3.0E-02	3.6E-02		3.6E-02 X59403.1	3 65 02 YEARS 1	3.0E-02/	3.6F-02	3.6E-02/	3.6E-02 U67575.1	2 RE-DO		3.6€-02	3.6E-02	3.6E-02 U20608.1		3.6E-02	3.6E-02	3.5E-02	3.6E-02	3.5E-02	3.5E-02	3.6E-02	3.5E-02 P53780
Expression Signal	0.79	0.64	0.99	20.5	234	40.1	34.0	0.70	227		0.8	0	0.0	4 97	4.97	0.5	4.7	=	2.75	1.08	1.85		1.85	0.68						3.67
ORF SEQ ID NO:		34290		38828				12002	31130		31514	200	31530		L		1			34218	367142		36143			27011				
Exan SEQ 1D NO:	25998	20807	23.288	250B1	1_		į	72/91	1828		1880		18801		1	1	ı	2000	20491			1	22687	_	L	L	L	1	Ŀ	1i
Probe SEQ ID NO:	7284	1 85	10875	12225	12883	3667		3674	5253		500		1000 1000	2000	888	7450	3	100	7527	7895	0748		9746	9971	808	1940	1568	15.00	4241	434

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Probe SEQ ID NO:	Exan SEQ (D NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vatue	Top Hit Acession No.	Top Hit Detrabasse Source	Top Hit Descriptor
6285	18273		1.04	3.5E-02 P47144	P47144	SWISSPROT	HYPOTHETICAL 80.7 KD PROTEIN IN SOD1-CPA2 INTERGENIC REGION
6347	19416	32657	1.74	3.5E-02	3.5E-02 J01238.1	NT.	Maize actin 1 gene (MAc1), complete cds
							yp44e05.r1 Soeres retina N2b5HR Homo sepiens cDNA clone IMAGE:190256 5' strutiar to contains Alu
8810	21279		0.78	3.5E-02	3.5E-02 H29961.1	EST_HUMAN	repetitive element;
0269	21836	35362	2.87	3.5E-02	3.5E-02 BE958970.1	EST_HUMAN	801644701R2 NIH_MGC_56 Hamo sepiens cDNA clane IMAGE:3929737 3'
10378	23301	38777	1.99	3.5E-02	3.5E-02 X76642.1	NT	Liactis MG1363 grpE and dhalf genes
<b>10425</b>	23347	38832	0.47	3.5E-02	3.5E-02 BE561042.1	EST_HUMAN	601344661F1 NIH_MGC_8 Hamo sapiens cDNA clane IMAGE:3677654 5'
11823		38288	1.61	3.5E-02	3.5E-02 AW861641.1	EST_HUMAN	PM1-CT0326-29/289-002-h03 CT0328 Homo septens cDNA
11823	L	38280	1.61	3.5E-02	3.5E-02 AW861841.1	EST_HUMAN	PM1-CT0326-291289-002-h03 CT0326 Homo septens cDNA
12877	L		6.77	3.6E-02	3.6E-02 BE276948.1	<b>EST_HUMAN</b>	601178765F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3543633 5
88	13849		0.91	3.4E-02	3.4E-02 AK024424.1	NT	Homo sapiens mRNA for FLJ00013 protein, partial ods
<b>28</b> 6			0.91	3.4E-02	3.4E-02 AK024424.1	NT	Homo sapiens mRNA for FLJ00013 protein, partial cds
581			3.42	3.4E-02	3.4E-02 AK024424.1	ᅜ	Homo sepiens mRNA for FLJ00013 protein, partial cds
<b>38</b>	13849		3.42	3.4E-02	3.4E-02 AK024424.1	NT	Homo sepiens mRNA for FLJ00013 protein, partial cds
							xx28d07.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2814253 S' similar to
1053		27049	2.4	3.4E-02	AW274	EST_HUMAN	SW:CZ11_HUMAN PSSBOY PUTATIVE SURFACE GLYCOPROTEIN CZTORF1 PRECURSOR;
1211	14249		6.51	3.4E-02	11345459NT	Ę	Homo sapiens hypothetical protein FLJ13220 (FLJ13220), mRNA
3	7			, c	167460.4	TOT LUMBAN	yc20e06.r1 Stratagene lung (#837210) Homo sapiens cDNA clone IMAGE:81250 5' similar to contains
5 3	$\bot$	2002		3.45-02	3.4E-02 13/100.1	ESI TOMAN	Many contants chromosome 24 compart HS24CMR
44			ar.ı	3.45-02		TATE TO	TONIO September and Companies of September 1 Page 1
3942	16962	78887	3.71	3.45-02	3.4E-02 AW /94652.1	ESI HUMAN	A miscertifies Confidence consumption realism
990	Ш	in	3.03	3.4E-02 AUST 88.	A.8/88.1	TOGGGGWG	MANUAL MANUAL DESCRIPTION OF THE PROPERTY AND AN INCOMPLETE HOMOLOGY
3 2 2	10110	30000	2.40	3.4E-02	3 4F-02 A IN12499 1	N POWER	Generatebilitis electris mRNA for DVS-1 protein, partial
essan essan	1		200	3.4F-02	3 4F-02 BF131828 1	EST HUMAN	601820445F1 NIH MGC 58 Hamo sabiens cDNA clone IMAGE:4052434 5
7032	1	31251	3.97	3.4E-02	3.4E-02 U24393.1	Į.	Human lysyl oddasa-like protein gene, exon 3
8604			3.14	3.4E-02	3.4E-02 AI869629.1	EST HUMAN	W69404x1 NCI_CGAP_Bm25 Homo septens cDNA clone IMAGE:2433031 3'
							nu70f08.s1 NCI_CGAP_AM Homo sapiens cDNA clone IMAGE:1216071 similar to contains Alu repetitive
978	22068	36482	1.56	3.4E-02	3.4E-02 AA664886.1	EST HUMAN	element/contains element MEKZS MEKZS repetitive element ;
							2404f11.s1 Strategene muscle 837209 Homo sapiens cDNA clone IMAGE:028749 3' similar to
							TR:G1017425 G1017425 INSCAMINATED AND SECONDARY AND SECTION THINGS SECTION AND SECTION AND PRESENTANT OF THE SECONDARY AND SECTION AND SECONDARY AND SECONDA
8928	22234		6.2	3.4E-02]	3.4E-02 AA194306.1	EST HUMAN	PPT GPV/ISDITEESVTLKWEPPKYDGGSQVTNYILLKRETSTAVWTEVSATVARTIAMIKVNAC;
10136	L		0.64	3.4E-02	3.4E-02 A1092719.1	EST HUMAN	oz89h08.x1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:1883519 3'
	ı						

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Top Hit Descriptor	z/75e08.s1 Sogres_testis_NHT Homo sapiens cDNA clone IMAGE:728198 3'	Cricetulus griseus CYP2A17 mRNA for cytochrome P450 2A17, complete cds	Homo sapiens skeletal muscle LIM-protein 1 (FHL1) gene, complete cds	Aquifex aedicus section 32 of 109 of the complete genome	y/25c09.r1 Soares fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:127888 57	Mus musculus tumor rejection antigen gp96 (Tra1), mRNA	1/35h02.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:150771 5	Homo sapiens skeletal muscle LIM-protein 1 (FHL1) gene, complete cds	Mus musculus tumor rejection antigen gp96 (Tra1), mRNA	xp40b04.x1 NCI_CGAP_HN11 Homo sapiens cDNA clone IMAGE:2742799 3'	601853910F1 NIH_MGC_57 Homo sapiens cDNA clone IMAGE:4073787 5	601853910F1 NIH_MGC_67 Hamo septens cDNA clone IMAGE:4073787 5'	7m92d04.xf NCI_CGAP_Bm23 Homo saplens cDNA clone IMAGE:3562423 3'	ISZ404 x1 NCI_CGAP_BrnZ3 Homo sepiens cDNA clone IMAGE:3562423 3'	ed08f09.s1 Soeres_NbHFB Homo septens CDNA clone IMAGE:877673 3' strailar to gb:X70944_cds1 MYORI AST CELL SEIREACE ANTIGEN 24 105 (HUMAN):	of Source NINER Home sections of the NACE STIRTS St similar to the XTMO44 refer	MYOBLAST CELL SURFACE ANTIGEN 24.1D5 (HUMAN);	yp51f11.s1 Soares retina N2b4HR Homo sapiens cDNA clone IMACE:190989 3'	602247171F1 NIH_MGC_62 Homo saplens cDNA clone IMAGE:4332497 67	ye49f11_r1 Soares fetal liver splean 1NFLS Homo sapiens cDNA clone IMAGE:121101 5	Mus musculus EIF4H gene, pertial cds; LIMK1 gene, complete cds; and ELN gene, pertial cds	Human interioukin 11 (IL11) gene, complete mRNA	Oryctolegus cuntoutus gene encoding ileel sodium-dependent bile acid transporter	Drosophila melanogaster heat shock protein 68 (hsp63) gene, hsp68d allete, complete cds	Drosophila malanogaskar haat shock protein 68 (hsp68) gene, hsp68d allela, complete cds	LARGE TEGUMENT PROTEIN	601442431F1 NIH_MGC_66 Homo sepiens cDNA clone IMAGE:3846727 5	H. sapiens RP3 gene (ALRP gene 3)	Sedfraga nidifica maturase (matit) gene, chloropiast gene encoding chloropiast protein, partial ods	P.falciparum mRNA for AARP2 protein	S.gntseocameum whitG-Stv gene	S.gariseocameum whitG-Siv gene
Top Hit Detaberse Source	EST_HUMAN z	NT		NT	EST_HUMAN		EST_HUMAN X	NT TN		EST_HUMAN x	EST_HUMAN 6	EST_HUMAN B	EST_HUMAN 7	EST_HUMAN 7	8 NAVILL TOR	T	EST_HUMAN N	EST_HUMAN	EST_HUMAN 8	EST_HUMAN y	NT TN	NT	NT (	NT	Į.	SWISSPROT	EST_HUMAN 0	NT TN	N FN	NT		S IN
Top Hit Acesston No.	AA398735.1	AB035887.1	ļ	3.3E-02 AE000700.1	3.3E-02 R09112.1	6755862 NT		3.3E-02 AF110763.1	6755862 NT	3.3E-02 AW275696.1	3.3E-02 BF245995.1	3.3E-02 BF245895.1	3.3E-02 BF115621.1	3.3E-02 BF115621.1	2 3E 02 A 4 4 8 8 2 0 2 4	The state of the s	3.3E-02 AA488202.1	3.3E-02 H38109.1	3.3E-02 BF691107.1	196545.1	1.1	3.3E-02 M81890.1	3.2E-02 AJ002005.1	3.2E-02 AF096275.1	3.2E-02 AF096275.1		3.2E-02 BE867353.1	(94768.1	3.2E-02 AF114182.1			3.2E-02 X68709.1
Most Similar (Top) Hit BLAST E Velue	3.3E-02	3.3E-02	3.3E-02	3.3E-02	3.3E-02	3.3E-02	3.3E-02 H02389.1	3.3E-02	3.3E-02	3.3E-02	3.3E-02	3.3E-02	3.3E-02	3.3E-02	2 25 00	3.35.06	3.3E-02	3.3E-02	3.3E-02	3.3E-02 T96545.1	3.3E-02	3.3E-02	3.2E-02	3.2E-02	3.2E-02	3.2E-02 P28955	3.2E-02	3.2E-02 X94768.1	3.2E-02	3.2E-02	3.2€-02	3.2E-02
Expression Signal	9.24	14.49	1.73	1.20	1.78	1.31	8.85	2.38	1.81	99.0	20.14	20.14	0.71	0.71	5	0.12	0.72	0.48	247	3.71	1.69	3.04	1.27	10.01	10.01	3.6	9.61	16.90	3.75	1.34	1.56	1.56
ORF SEQ ID NO:		27168	27650	-		28485	28347	27650	30407	30759	32896	32897	36084	36085	25.00	1000	39175		37045				26168	27.122	27123		23422		30712		31888	31867
Exen SEQ ID NO:	13458	14212	14677	14782	15113	15462	L.	1	17519		L	19630	L	22630		77	22720	L	24308		L	25286	13237	L	14171		16208	17275	17818		L	18709
Probe SEQ ID NO:	372	1171	1645	1753	2088	2458	3372	4208	4494	4848	6570	6570	1198	1198	2,22	8//8	8778	10964	11455	12425	12547	12577	132	1128	1128	2127	3151	4248	4801	5303	5613	5613

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Top Hit Descriptor	zs39ar10.r1 Soares fetal liver spleen 1NFLS Homo sapians cDNA clone IMAGE:294906 5' strullar to contains element TAR1 repetitive element;	28/39/10.11 Sogres fetal liver spleen 1NFLS Homo saplens cONA clone IMAGE/294906 6's similar to contains element TAR1 repetitive element;	Cyprimus carpto mRNA for inducible nitric codde synthase (INOS gene)	601512206F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:3913848 5	601512206F1 NIH_MGC_71 Hamo septens cDNA clone IMAGE:3913848 5	Homo sepiens nuclear factor of kappa light polypeptide gene entrancer in B-celis 1 (NFKB1) gene, complete cds	Homo sepiens nuclear factor of kappa light polypeptide gene enhancer in B-celis 1 (NFKB1) gene, complete cds	Human dystrophin garre	601854981F1 NIH_MGC_57 Homo sapiens cDNA clone IMAGE:4074548 5	602154364F1 NIH_MGC_83 Hamo septens oDNA clone IMAGE:4295654 5	IL5-HT0704-290600-108-c04 HT0704 Homo septens cDNA	Omithorhynchus enatinus coagulation factor X mRNA, complete cds	Thermotoga maritima section 109 of 138 of the complete genome	Human coagulation factor VII (F7) gene excn 1 and factor X (F10) gene, excn 1	ne87104.s1 NCI_CGAP_Kid1 Hamo sepiens dDNA clane IMAGE:911.283	yh63d04.s1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:1344073'	QV4-NN0038-270400-187-N05 NN0038 Homo sapiens cDNA	Rattus norvegicus UDP-Gal:glucosyloaramide beta-1,4-galactosyltransferase mRNA, complete cds	Homo septiens mitochondrial glutathione reductasse and cytosolic glutathione reductase (GRO1) gene, complete ods, eitematively spliced	01338428F1 NIH MGC 53 Homo sepiens cDNA clone IMAGE:3680695 57	601338428F1 NIH_MGC_53 Hamo sepiens cDNA clane IMAGE:3680695 5	Sheep gene for ultra high-sulphur keralin protein	yu07e10.r1 Soares febal liver spleen 1NFLS Homo sapiens cDNA clone IWAGE-233130 5	Sus scrofa decoymbanuclease II mRNA, complete ads	601452661F1 NIH_MGC_66 Hamo sapiens cDNA clane IMAGE:3856598 5	Neisseria maringitidis DNA for region 2 (fhaB- and fhaC-homologs, unknown genes) and flanking genes, strain FAM18	601140729F1 NIH_MGC_9 Homo septens cDNA clone IMAGE:3049830 57
Top Hit Database Source	EST_HUMAN	EST HUMAN	Γ	EST_HUMAN		Į,	Ę		EST_HUMAN	EST_HUMAN		NT	LN	NT	EST_HUMAN	EST HUMAN	EST_HUMAN	TN	Į.	T HUMAN	HUMAN		EST HUMAN	Г	EST_HUMAN	L'N	THUMAN
Top Hit Acessian No.	V99615.1	199815.1	3.0E-02 AJ242806.1	3.0E-02 BE889948.1	3.0E-02 BE889948.1	3.0E-02 AF213884.1	3.0E-02 AF213884.1	3.0E-02 M86524.1	3.0E-02 BF246361.1	3.0E-02 BF679706.1	3.0E-02 BF353889.1	3.0E-02 AF275654.1	3.0E-02 AE001797.1	3.0E-02 M81357.1	3.0E-02 AA483216.1	32019.1	3.0E-02 AW895565.1	3.0E-02 AF048687.1	2 9F-02 AF228703 1	2 9F-02 BE565644 1	2.9E-02 BE565644.1	(55294.1	172805.1	2,9E-02 AF080221.1	2.9E-02 BF032233.1	2.9E-02 AJ391284.1	2.9E-02 BE271437.1
Most Similar (Top) Hit BLAST E Vetue	3.0E-02 N99615.1	3.0E-02 N99815.1	3.0E-02/	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02	3.0E-02/	3.0E-02 R32019.1	3.0E-02	3.0E-02	285-02	2 9F-02	29E-02	2.9E-02 X55294.1	2.9E-02 H72806.1	2,9E-02	2.95-02	295-02	2.9E-02
Expression Signal	0.58	0.58	3.17	. 28	2.8	2.20	2.28	1.23	0.75	0.48	0.74	1.83	1.88	238	7.84	2.02	2.08	1.96		111	1.14	0.8	0.72	1.13	7.33	0.62	10.95
ORF SEQ ID NO:	32883	32894	L		L					-	35378		37248	38063	38470	31316			78487			1			L		
Exan SEQ ID NO:	19451		1	20025	20025	1	l	1_	1	21432	L	L	L	24506	24874	25960	25470	25954	<u>.</u>	1	ŀ.			L	L	L	11
Probe SEQ ID NO:	8888	888	6957	7091	7007	7274	7274	7442	7836	8463	8868	9146	10826	11568	11997	12529	12888	12908	2442	3008	Š	3573	3950	6181	6424	7142	7460

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					,		
Page SEQ EX	SEQ ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
7857	20817				D29214.1	EST_HUMAN	HUMNK262 Human epidermal keratinocyte Homo sapiens cDNA clone 262
8169	L	34506	6.53		2.9E-02 AE003932.1	NT	Xylella fastidiosa, section 78 of 229 of the complete genome
	L						Buchnera aphidicola natural-host Schlechtendalia chinensis gluconata-6-phosphata dehydrogenase (gnd)
8331	21300	34716	0.83		2.9E-02 AF128279.1	NT	gene, perties cds
8884	21300	21/276	280	2.95-02	2 9E-02 AF129279.1	Į,	Buchnera aphidicola natural-bost Schlechtandalla chinensis gluconate-6-phosphate dehydrogenase (gnd) gene, partial cds
10016	1.	L		2.9€-02	2.9E-02 AW875979.1	EST HUMAN	CM3-PT0014-071299-061-c04 PT0014 Homo sapiens cDNA
1001				2.9€-02	2.9E-02 AW875979.1	EST_HUMAN	CM3-PT0014-071299-051-c04 PT0014 Homo sepiens cDNA
10233	23158			2.0E-02	2.9E-02 AW976697.1	EST_HUMAN	EST388706 MAGE resequences, MAGN Homo sapiens cDNA
10710	L	37127	1.07		2.9E-02 AP000064.1	M	Aeropyrum pernix genomic DNA, section 7/7
11388	L		1.6		2.9E-02 X55294.1	IN	Sheep gene for ultra high-sulphur keratin protein
12531	25870		1.46		2.9E-02 AU135817.1	EST_HUMAN	AU135817 PLACE1 Homo sepiens cDNA clane PLACE1002962 5
202	13637		1.83	2.8€-02	2.8E-02 AW970153.1	<b>EST_HUMAN</b>	EST382234 MAGE resequences, MAGK Homo sepiens cDNA
3380	16429	29355		2.8E-02	2.8E-02 AF066063.1	N	Homo sapiens retinal fascin (FSCN2) gene, exon 2
3380	16429	29356	127	2.8E-02	2.8E-02 AF066063.1	NT	Homo septens retinal fascin (FSCNZ) gene, exon 2
<b>484</b>	17368		0.67	2.8E-02	TN 1578888	TN	Rattus norvegicus microtubule-associated protein tau (Mapt), mRNA
7.20g		34000	68		2 8E-02 N87073 1	EST HIMAN	L2083F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA clone L2083 5' similar to TRNA- GLANINE TRANSGLYCOSYLASE
2005	L		280		2 RE-02 M58403 4	Į.	Denuue virus troe 2 non-structural protein 1 (NS1) pene, pertial cds
5565		31622		2.8E-02	28E-02 BE741083.1	EST HUMAN	601594078F1 NIH_MGC_9 Hamp septens aDNA clane IMAGE:3948067 67
-888 					2.8E-02 T78960.1	EST_HUMAN	yd21b08.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA cione IMAGE:108855 57
8671			2.24		2.8E-02 AJ005820.1	TN	Craterostigma plantagineum mRNA for homeodomain leucine zipper protein (hb-1)
9371	22336		0.82		2.8E-02 AA280782.1	EST_HUMAN	2598c08.rl NCI_CGAP_GCB1 Homo sepiens cDNA clane IMAGE:711468 5
9583		35974	1.03		2.8E-02 AF187872.1	M	Cavia parcellus inwardly-rectifying potassium channel Kir2.1 (KCNU2) gene, complete cds
298	22820	36071	1.71	2.8E-02	2.8E-02 AE001092.1	M	Archaeoglobus fulgidus section 15 of 172 of the complete genome
10980	23900	37413	- 0.42		2.8E-02 BF527244.1	EST_HUMAN	602039477F2 NCI_CGAP_Bm67 Hamo sapiens cDNA clane IMAGE:4177287 5
12809	25801		1.6		2.8E-02 R06966.1	EST_HUMAN	y12h02.11 Scares fetal liver spiesen (NFLS Homo sapiens cDNA ctone IMAGE:128875 5
12815	<u>L.</u>		1.57		2.8E-02 X06322.1	NT	Yeast CN31C chromosome III RAHS DNA (right am transcription hot-spot)
							Human germiine T-ceil receptor beta chain Doparnine-beta-hydroxylase-like, TRY1, TRY2, TRY3, TCRBV37S1P, TCRBV2SS1AZN1T, TCRBV3S1A1T, TCRBV1SS1A1T, TCRBV1SS3, TCRBV6S7P, TCRBV7S3AZ1, TCRBV13S2A1T, TCRBV8S2AZPT, TCRBV7S2A1N4T,
1485	14518	27491	1.07		2.7E-02 U66059.1	NT	TCRBV13S9/13S>
3445	L	29411			2.7E-02 AL.161494.2	Ä	Arabidopsis theliana DNA chromosome 4, contig fragment No. 6
4230	17259		2.01	2.7E-02	N47258.1	EST_HUMAN	yeah12.r1 Soares_multiple_sclerosts_2NbHMSP Hamo sapiens cDNA clone IMAGE:280487 5

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		_		T. aesthwim pTTH20 mrRNA for wheat type V thionin	Oryza sativa mRNA for ascorbate oxidase, partial cds	A bisporus pgkA gene	HUMAN   otoGh03.s1 Scares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone iMAGE:16246813'	Homo sapiens mRNA for FLJ00048 protein, partial cds	Mus musculus G21 protein (G21), mRNA	tr.28g/08.x1 Soares_total_fetus_Nb2HF8_9w Homo saplens cDNA clone IMAGE:2065982 3' similar to MAN contains Alu repetitive element;	Γ	MAN ab02b02.e1 Stratagene fetal retina 997202 Homo sapiens cDNA clone IMAGE:839696 3'		Mus musculus histidine rich calcium binding protein (Hrc.), mRNA	Mus musculus MHC class III region RD gene, partial cds; Bf, C2, C9A, NG22, C9, HSP70, HSP70, HSC704.	and smRNP genes, complete ods; G7A gene, partial cds; and unknown genes		Chicken dasalin-1 mRNA, camplete cds	Deinococcus radiodurans R1 section 151 of 229 of the complete chromosome 1	x852b04x1 NG _CGAP_Ser4 Homo sepiens cDNA clone IMAGE:2570383 3" similer to SW:Y089_HUMAN   Q15041 HYPOTHETICAL PROTEIN KIAA0069;	Arabidopsis theliana DNA chromosoms 4, contig fregment No. 83	Arabidopsis thatlana DNA chromosome 4, config fragment No. 63	HUMAN qg27f11.x1 NCI_CGAP_Ktd3 Homo saplens cDNA clone IMAGE:1762317 3'	HUMAN   601493473T1 NIH_MGC_70 Hamo septens cDNA dane IMAGE:3895578 3'	Vaccinia wrus ORF1L, strain Wyeth	Vaccinia virus ORF1L, strain Wyeth			ヿ	Homo septens KIAA1070 protein (KIAA1070), mRNA
Top Hit Detabase Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	M	NT	¥	EST_HUN	FN	¥	EST HUMAN	Ę	<b>EST HUMAN</b>	Ę	¥		¥	EST_HUMAN	¥	LN.	EST_HUMAN	눋	¥	EST HUN	EST_HUN	NT	NT	۲	SWISSPROT	EST_HUMAN	뉟
Top Hit Acession No.	2.7E-02 N47258.1	2.7E-02 BF245672.1		2.7E-02 X81670.1	9.1	2.7E-02 X97580.1	2.7E-02 AA893571.1	2.7E-02 AK024456.1	8268542 NT	2 7F-02 AB77038 1	_	Ĺ	54241	6754241 NT		_	5.1	2.6E-02 L12032.1	4.1	2.6E-02 AW241154.1	~	2		2.6E-02 BE621748.1		Z99064.1	6981271	P21894	2.6E-02 AA860946.1	11432020 NT
Most Similar (Top) Hit BLAST E Vælue	27E-02	2.7E-02	2.7E-02	2.7E-02	2.7E-02	2.7E-02	2.7E-02	2.7E-02	2.7E-02	275-02	2.6E-02	26€-02	2.0E-02	2.8E-02		2.8E-02	2.6E-02	2.6E-02	2.0E-02	2.6E-02	2.6E-02	2.8E-02	2.8E-02	2.GE-02	2.6E-02	2.6E-02	2.6E-02	2.6E-02 P21894	2.6E-02	2.6E-02
Expression Signal	2.01	0.52	1.00	0.68	0.51	1.03	1.93	0.53	0.69	123	1.25	2.54	3.05	3.05		1.52	ю. Э	3.25	1.8	3.05	9.0	0.55	6.36	1.88	0.82	0.82	6.03	0.55	0.71	127
ORF SEQ ID NO:	30144	31178			32379		33304		34407		26556	28404	28406	28407				30848	30987	31014				32890	33441	33442	33333	33842		36194
Exam SEO ID NO:	17280	18425	18616	19088	19167	19808	20004	21077	21008	210858	13642	15382	1884	15384		13884 4884	17028	17968	18114	18137	1908	19078	19414	19825	20127	20127	2002	20481	21817	22743
Probe SEQ ID NO:	4230	8319	6616	9005	6087	6764	2289	8140	8160	7058	8	2374	2376	2378		2928	3988	4042	5104	6428	88	2885	88	5885	ě	200	7095	7516	8850	9715

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Probe SEQ ID NO:	Exam SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vælue	Top Hit Acession No.	Top Hit Delabase Source	Top Hit Descriptor
10072	22869	36468	0.7		26E-02 AF114952.1	MT	Saccharomyces deirenensis NRRL Y-12639(T) ATP synthase subunit 9 (ATP9) gene, mitochondrial gene encoding mitochondrial protein, complete cds
10072	22899	36469	0.7		2.6E-02 AF114952.1	¥	Saccharomyces dairenensis NRRL Y-12639(T) ATP synthase subunit 9 (ATP9) gene, mitochondrial gene encoding mitochondrial protein, complete cds
10768	23689	37188	4.31	2.6E-02	2.6E-02 AL163303.2	¥	Homo sepiens chromosome 21 segment HS21C103
11717			2.02		2.6E-02 AA279351.1	<b>EST_HUMAN</b>	zs84c02.rl NCI_CGAP_GCB1 Hamo septems cDNA clane IMAGE:704162 5
11889	L.	38359			2.8E-02 AW500547.1	EST_HUMAN	UHHF-BND-akj-0-10-0-ULM NIH_MGC_50 Hamo septens aDNA clane IMAGE:3077488 5
12457	25944	31313			2.6E-02 BF343827.1	EST_HUMAN	602015501F1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4150944 51
883	13604	26522	1.85		2.5E-02 AI783130.1	EST_HUMAN	on 28108. y GNCI_CGAP_Lu5 Homo septiens cDNA clone IMAGE: 1557827 5
633	13804		1.85		2.5E-02 AI788130.1	EST_HUMAN	on28f08.y5 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1557827 5
018	13868	26817	9.19		2.5E-02 BE974314.1	EST_HUMAN	601680305R2 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:3950665 3'
870	13928		6'9		2.5E-02 BE974314.1	EST_HUMAN	601680305R2 NIH_MGC_83 Homo septens cDNA clone IMAGE:3950665 9'
2773	15765		2.28		2.5E-02 U12571.1	NT	Rattus norvegicus rabphilin-3A mRNA, complete cds
8962	16026	28949	3.43		2.5E-02 X99697.1	NT	H.carbarae mRNA for fucocarithin chlorophyti a/c binding protein, Fcp1
2968	16026		3.43		2.5E-02 X99697.1	TN IN	H.carterae mRNA for fucoxenthin chlorophyll e/c bhoding protein, Fcp1
4075	18316		1.02		2.5E-02 BE701165.1	EST_HUMAN	PM2-NN0128-080700-001-e12 NN0128 Homo sapiens cDNA
4075	18316	30006	1.02		2.5E-02 BE701165.1	<b>EST_HUMAN</b>	PM2-NIN0128-080700-001-e12 NN0128 Hamo sapiens cDNA
4233	17262		8.52		2.5E-02 AW582114.1	EST_HUMAN	h/36h08.x1 Soeres_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2834015 3'
6829	18891	32073	99.0	2.6E-02	2.6E-02 AI732776.1	EST_HUMAN	zx83c10.x5 Sogres overy tumor NbHOT Homo sepiens cDNA clone IMAGE:810354 3'
							7630e09x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3284008 3' similar to contains L1.f1 L1
6317	19388		4.71	2.5E-02	2.5E-02 BE670128.1	EST_HUMAN	repetitive element;
6334	19403		4.42		8.1	EST_HUMAN	601578383F1 NIH_MGC_9 Hamo sapiens cDNA dane IMAGE:3828654 5'
6470	19535	32783	0.97	2.5E-02		N	Chlamydomones reinhardtii VSP-3 mRNA, complete cds
1287	20870	34258	1.48	2.5E-02	2.5E-02 BF526722.1	EST_HUMAN	602070562E1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4213406 5
1281	20870	34259	1.48	2.5E-02	2.5E-02 BF528722.1	EST_HUMAN	602070562F1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4213406 5
8137	21074	34474	9.54	2.5E-02	2.5E-02 AF129458.1	TN	Chlamydomones reinhardtil class II DNA photolyase (PHR2) gene, complete cds
2418	22143	35670	0.82	2.5E-02 091713	091713	SWISSPROT	CHORDIN PRECURSOR (ORGANIZER-SPECIFIC SECRETED DORSALIZING FACTOR)
8315	22280	01 <i>12</i> 98	97'0	2.5E-02	2.5E-02 AW025821.1	EST_HUMAN	wu08c10.x1 NCL_CGAP_GC8 Homo sepiens cDNA clone IMAGE:25/16370 3*
10426	23348		99'0	2.5E-02	2.5E-02 X71303.1	INT	D.radicum 28S ribosomal RNA, D2 domain
10947	23867				2.5E-02 Al147615.1	EST_HUMAN	db22a08.x1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:1696962 3'
11161	24119				010335	SWISSPROT	HYPOTHETICAL 46.7 KD PROTEIN C19G10.05 IN CHROMOSOME I
11161	24119	37647	2.15	2.5E-02 Q10335	Q10335	SWISSPROT	HYPOTHETICAL 46.7 KD PROTEIN C19G10.05 IN CHROMOSOME I

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Table 4
Single Exon Probes Expressed in Bone Marrow

Actives Expressed in Done Industry	Example ORF SEQ Expression (Top) Hit Top Hit Acession Signal BLASTE No. Source Source Source	36443 0.46 2.4E-02 AF124160.1 NT	22977 38444 0.46 2.4E-02 AF124160.1 NT Arabidopsis thelians motybdoptenth synthese sulphunylese (cnv5) gene, complete cds	36588 2.67 2.4E-02 AV692954.1 EST_HUMAN	23284 38743 2.76 2.4E-0.2 AA483894.1 EST_HUMAN element; clement PTR5 repetitive element;	1.35 2.4E-02 BE387111.1 EST_HUMAN	Mus musculus major histocompetibility locus class III regions Hsc70t gene, pertial cds; smRNP, G7A, NG23, A781 38368 1.81 2.4E-02 AF109905.1 NT MuS homolog, CLCP, NG24, NG25, and NG28 genes, complete cds; and univrown genes	24781 38389 1.81 2.4E-02 AF109906.1 NT MuS homolog, CLCP, NG24, NG25, and NG26 genes, complete cds; and unknown genes	26050 2.39 2.4E.02 9827909 NT Bacteriophage bil.67, complete genome	31855 1.7 2.4E-02	31823 3.48 2.4E-02 BE928909.1 EST_HUMAN	25222 31791 1.59 2.4E.02 U78167.1 NT Rattus norvegicus cAMP-regulated guarine nucleotide exchange factor I (cAMP-GEFI) mRNA, complete cds	25222 31833 1.59 2.4E-02 U78167.1 NT Rettus navegicus cAMP-regulated gueruhe nucleotide exchange factor I (cAMP-GEFI) mRNA, complete cds	Ceenorhabdilits elegans mRNA for fron -euffur subunit of mitochondrial succinate dehydrogenase, complete cds. 7.88 2.4E-02 AB008689.1 NT cds.	14913 5.26 2.3E-02 W05340.1 EST_HUMAN Iza84g08.r1 Soares_fetal_bung_NbHL199W Homo sapiens cDNA clone IMAGE.299294 5	8.44 2.3E-02 U94166.1 NT	15366 28388 3.16 2.3E-02 Z74293.1 NT S.cerevécies chromosome IV reading frame ORF YOL245c	16737 29650 4.2 2.3E-02 220377.1 EST_HUMAN HSAACADH P, Human foetal Brain Whole tissue Homo septems cDNA	0.8 2.3E-02 L24799.1 NT	0.8 2.3E-02 1.24799.1 NT	:1 EST_HUMAN	I EST_HUMAN	30389 0.78 2.3E-02 BE835225.1  EST_HUMAN	1 EST_HUMAN	30391 1.23 2.3E-02 AW593693.1 EST_HUMAN	30534 2.89 2.3E-02 BF026487.1  EST_HUMAN	17846 30535 2.89 2.3E-02 BF028487.1 EST_HUMAN 601672279F1 NIH_MGC_20 Homo sepiens cDNA clone IMAGE:3955388 5
-									25050					25327	14913	14928											
	SEG ID SEG ID NO:		10050		10340		11900	11800	12209	12363		12474	12474	12843	L				4178				4477	4478			4625

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Top Hit Acession Top Hit Descriptor No. Source	INT	N	Cautobacter crescentus topolsomerase IV ParE subunit (parE) gene, complete cds, and propionyl-CoA	EST HUMAN		EST_HUMAN	NT	NŢ	NT	NT		EST_HUMAN	SWISSPROT	SWISSPROT	NT	Ŋ	SWISSPROT	EST_HUMAN	EST_HUMAN	EST_HUMAN	9394.1 NT Streptomyces sp. alphe-1,3/4-fucosidase precursor gene, complete ods	Ł	1426388 NT	Columba livia nucleoside diphosphate kinase (NDPK) gene, nuclear gene encoding mitochondrial protein,   complete cds	57448	INT	EST_HUMAN	N	1 EST HUMAN	4283.1 NT S.cerentsiae chromosome IV reading frame ORF YDL245c
Top Hitt A	2.3E-02 AF257110.1	2.3E-02 AF257110.1	P SE NO I IBRANS 4	2.3E-02 BF108464.1	AL161505.2	2.3E-02 BE141475.1	2.3E-02 AL163303.2	2.3E-02 U63610.1	2.3E-02 AJ298105.1	2.3E-02 AJ298105.1	2.3E-02 AI685380.1	2.3E-02 AIBB5380.1	P41996	P50532	2.3E-02 AE000199.1	2.3E-02 AE000199.1	P08640	2.3E-02 BE278331.1	23E-02 BF5284621	2.3E-02 BF528462.1	2.3E-02 U39394.1	U11077.1	2.3E-02 1	2.2E-02 AF018267.1		282001.1	2.2E-02 AA677785.1	2.2E-02 AF083094.1	2.2E-02 AW601317.	Z74293.1
Most Similar (Top) Hit BLAST E Vælue	2.3E-02	2.3E-02	2 8E 02	23E-02	2.3E-02	2.3E-02			2.3E-02	2.3E-02	2.3E-02		2.3E-02 P41996	2.3E-02 P50532	2.3E-02	2.3E-02	2.3E-02 P08640			,										
Expression Signal	1.19	1.19	9 44	0.55	422	0.84	0.52	99'9	0.87	0.87	0.74	0.74	0.80	0.77	1.47	1.47	1.71	7.99	1.5	1.5	3.2	2.48	1.82	4.3	1.59		2.15			
ORF SEQ ID NO:	31086	31087	34.483	32675	33112	31201	34016	34686	35207	35208	35431	35432	35897	38632	36791	36792	37624		31756	31756	31724			26739		28065		Ш	29814	29896
Econ SEQ ID NO:	18212	18212	79907	1963	19829	18403	20653	21178	21782	24782	22010	22010	22457	23143	23312	23312	24095	25738	25392	25392	25453	25983	25833	13800	L	L	l		16906	16981
Probe SEQ ID NO:	5203	883	3	3 8	6774	7172	188	8028	8845	8815	8	8	8	10218	10380	10330	11135	12336	12742	12742	12843	12897	13100	8	18	2831	848	3660	3867	3941

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Top Hitt Database Source		EST_HUMAN   AV699721 GKB Homo sapiens cDNA clone GKBAND03 3'	Arabidopsis thaliana DNA chromosome 4, contig fragment No. 27			Homo saplems DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, NT complete cds)	,		EST_HUMAN   601584308F1 NIH_MGC_7 Hamo saptens cDNA clane IMAGE:3838571 57	ne47h07.s1 NCI_CGAP_Co3 Homo septens cDNA clone IMAGE:900541 3' shrikar to contains Atu repetitive	Т	Т	Becillus subtilis cotKLM chuster, CottK (cottK), Cott., and spore cost protein CottM (cottM) genes, complete cds	Mus musculus macrophage migration inhibitory factor (MIF) gene, 5' flanking region and partial cds	Mus musculus macrophage migration inhibitory factor (MIF) gene, 5' flanking region and partial cds	SWISSPROT   KERATIN, HIGH-SULFUR MATRIX PROTEIN, B2A		ISSPROT				EST_HUMAN   nc21g03.r1 NC_CGAP_Pr1 Homo sapiens cDNA done INAGE:1008820 📝	EST_HUMAN   yx43h07.r1 Soares melanocyte 2NbHM Home saptens cDNA clone IMAGE:284541 51	EST_HUMAN   PM2-BT0546-120100-001-f11 BT0546 Homo saplens cDNA	EST_HUMAN   PM2-BT0546-120100-001-f11 BT0546 Homo saplens cDNA	EST_HUMAN   zd3b09.r1 Soares_total_fetus_Nb2HF8_9w Homo septens cDNA clone IMAGE:786121 5	Г	NT S.cerewisiae chromosome IV reading frame ORF YDL245c	T HUMAN	NT Borrella burgdorferi plasmid cp32-2, erpC and erpD ganes, complete cds; and unknown genes
Signal BLAST E No.	1.17 2.2E-02 Z73597.1 INT					2.2E-02 AB026898.1	2.26 2.2E-02 AB026898.1 NT	0.91 2.2E-02 6678140 NT	BE797601.1	K 79 2 25-70 AASTREES 1 ES	2 1F-02 AV784502 1	2.1E-02 AF029728.1	8.3 2.1E-02 U72073.1 (NT	2.1E-02 AF204395.1	0.99 2.1E-02 AF204395.1  NT	1.26 2.1E-02 P02438 SW	2.1E-02 P02438	2.1E-02 P02438		2.1E-02 BE072546.1		2.1E-02 AA225095.1	2.1E-02 N29268.1	2.1E-02 BE072546.1	1.02 2.1E-02 BE072546.1 E	2.1E-02 AA461271.1	2.1E-02 BF203457.1		1.4 2.1E-02 BF343655.1	2.15 2.1E-02 U44914.1
 Most Similar Expression (Top) Hit Signal BLAST E Value	2.2E-02 Z73597.1	3.37 2.2E-02 AV699721.1	2.2E-02 AL181515.2	2.2E-02 AL161515.2	0.77 2.2E-02 X79468.1	2.26 2.2E-02 AB028898.1	2.2E-02 AB026898.1	2.25-02 667	2.2E-02 BE797601.1	2 2F AD AABRASKS 1	2 1F-02 AV784502 1	2.1E-02 AF029728.1	2.1E-02 U72073.1	0.89 2.1E-02 AF204395.1	0.99 2.1E-02 AF204395.1	1.26 2.1E-02 P02438	1.26 2.1E-02 P02438	1.26 2.1E-02 P02438	1.01 2.1E-02 AF190899.1	0.9 2.1E-02[BE072546.1	0.0 2.1E-02 BE072548.1	1.04 2.1E-02 AA225095.1	2.1E-02 N29268.1	2.1E-02 BE072546.1	2.1E-02 BE072546.1	2.1E-02 AA461271.1	2.1E-02 BF203457.1	2.1E-02 Z74283.1	1.4	
A Expression (Top) Hit BLAST E Value	30888 1.17 2.2E-02 Z73597.1	3.37 2.2E-02 AV699721.1	35109 2.28 2.2E-02 AL181515.2	21682 35110 2.28 2.2E-02 AL161515.2	22127 35555 0.77 2.2E-02 X79468.1	22972 38438 2.26 2.2E.02.AB028898.1	2.26 2.2E-02 AB026898.1	2.25-02 667	24481 38033 1.8 2.2E-02 BE797601.1	PERIOR F 72 C PETO A BETWEER 4	13490 AV784500 1	13522 8.77 2.1E-02 AF028728.1	8.3 2.1E-02 U72073.1	14420 27389 0.89 2.1E-02 AF204385.1	0.99 2.1E-02 AF204395.1	1.26 2.1E-02 P02438	14828 27812 1.26 2.1E-02 P02438	14828 27813 1.26 2.1E-02 P02438	15001 28004 1.01 2.1E-02 AF190899.1	15069 28089 0.9 2.1E-02 BE072546.1	15069 28090 0.9 2.1E-02 BE072546.1	1.04 2.1E-02 AA225095.1	13839 26784 4.45 2.1E-02 N29268.1	28089 1.02 2.1E-02 BE072546.1	28090 1.02 2.1E-02 BE072546.1	16642 29561 0.98 2.1E-02 AA461271.1	17066 28967 0.97 2.1E-02 BF203457.1	0.64 2.1E-02 274283.1	17368 30249 1.4	30384 2.15

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Table 4
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Probe Ex SEQ ID SEC NO: N	Exan ORF SEQ SEQ ID ID NO: NO:	Signal	Most Similar (Top) Hit BLAST E Veitue	Top Hit Acession No.	Top Hit Detabase Source	Top Hit Descriptor
3159 16	16216	1.83	2.0E-02	7305474 NT	Ę	Mus musculus sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 68 (Semasb), mRNA
3241 16	16296	1.8		2.0E-02 AF095588.1	E	Arabidopsis thailana C2H2 zinc finger protein FZF mRNA, complete cds
	17070 20971	1.4		2.0E-02 M18095.1	Ŋ	P. vulgaris hydraxyproline-rich glycoprotein (HRGP) mRNA, 3' end
				2.0E-02 AIZ71895.1	EST HUMAN	gB3e03.xf NCI_CGAP_Kld3 Homo saplens cDNA clone IMAGE:1868076 3'
				2.0E-02 AL163278.2	NT	Hamo saplens chromosome 21 segment HS21C078
						Ceenorhabditts elegans sma-2 mRNA, complete cds
				2.0E-02 [136321.2		Dictycstatium discoideum class VII unconventional myosin (myol) gene, complete cds
		1.09		2.0E-02 AP000004.1	IN	Pyrococcus harlioshii OT3 genamic DNA, 777001-894000 nt. position (477)
	20751 34127			2.0E-02 AP000004.1	IN	Pyrococcus harltoskii OT3 genomic DNA, 777001-894000 nt. position (47)
	23161	1.89			IN	Japanese encephalitis virus envelope protein mRNA, pential cds
	23648 37141	1.54	2.0E-02	2.0E-02 A1840342.1	EST_HUMAN	wa17b02x1 NCI_CGAP_Kid11 Homo sepiens cDNA clone IMAGE:2298315 3'
	23971 37495				NT	Mycobacterium tuberculosis H37Rv complete genome; segment 93/162
	24664 38241	2.28		2.0E-02 D88184.1	IN	Equus caballus DNA for 17 alpha-hydroxylass/17,20-lyssa, complete cds
	18351 31296	3.03	2.0E-02	2.0E-02 AA456538.1	EST_HUMAN	ear15b10.r1 Scenes_NhHMPu_S1 Homo septens cDNA clone IMAGE:813307 5
12621 15	15802	1.89	2.0E-02	22	NT	Arabidopsis thallana DNA chromosome 4, contig fragment No. 32
	25608	3.4	2.0E-02	2.0E-02 T80037.1	EST_HUMAN	yd04c09.r1 Scares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:24675 5
	13756 26686	2 55	4.85-00	4 9F-02 AA572784 1	EST HIMAN	nf19a07.s1 NCI_CGAP_Pr1 Homo sepiens cDNA done IMAGE:914196 similar to contains L1.t1 L1 mentifius element
1			1.9E-02 P18488		7	EMPTY SPIRACLES HOMEOTIC PROTEIN
2055 15	15074 28083	3.04	1.9E-02)	1.9E-02 AL163303.2	Γ	Homo sepiens chromosome 21 segment HS21C/103
		3.04	1.9E-02			Homo sapiens chromosome 21 segment HS21C103
2514 15		1.07	1.9€-02		Ę	Arabidopsis thaliana DNA chromosome 4, contig fragment No. 50
29/6 15	15974 28897	8.5	1.9E-02	1.9E-02 AA713858.1	EST HUMAN.	nw04t06.s1 NCL_CGAP_SS1 Homo septens aDNA clane IMAGE:1238337 3'
2964 16	16022 28947	1.46	1.9€-02]/		EST_HUMAN	AV648689 CLC Homo sapiens cDNA clone CLCBLH073'
3273 18	16327	0.72	1.9E-02	.1	L	Unotrichus telpoides mitochondrial gene for cytochrone b, complete cds
	16688	1.36	1.9E-02	1.9E-02 N52250.1	EST_HUMAN	y228b02.s1 Soares_multiple_solerosis_2NbHMSP Homo sapiens cONA clone IMAGE:284331 3'
3718 18	16761	8.23	1.9E-02	1.1	EST HUMAN	601572882F1 NIH_MGC_57 Hamo sepiens cDNA clane IMAGE:3839584 5'
						qn04c07.x1 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1897260 3' similar to contains Alu repetitive
					T HUMAN	element,
				40.1		Mycoplasma Imitans VINA1 precursor (VINA1) and VINA2 precursor (VINA2) genes, partial cds
			1.9E-02 P09081			HOMEOTIC BICOID PROTEIN (PRD-4)
4222 17	17251 30138	1.62	1.9E-02 P09081		SWISSPROT	HOMEOTIC BICOID PROTEIN (PRD-4)

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Top Hit Descriptor	W48404.x1 Sceres_INSF_FB_9W_OT_PA_P_S1 Hamo sepiens cDNA clane IMAGE:2144651 3' stmiler to contains Alu repetitive element;	Arabidopsis theliana DNA chromosome 4, contig fragment No. 50	Mus musculus T cell receptor gamma locus, TCR gamma 1 and gamma 3 gene clusters	Meleagris galiopavo paracocnase-2 (PON2) mRNA, complete cds	Drosophilia kanekci gene for gilycard-3-phosphata dehydrogenase, complete cds	Homo sapiens interferon-gamma receptor alpha chein gene, exon 1	Homo sapiens Interferon-gamma receptor alpha chain gene, exon 1	Netsserla meningtifidis serogroup A strain Z2491 completa genome; segment 3/7	601898130F1 NIH_MGC_19 Hamo sapiens cDNA clane IMAGE:4125462 5	Nicotiana tabacum type II phytochrome (phyB) gene, complete cds	601852385F1 NIH_MGC_56 Hamo sapiens cDNA clone IMAGE:4076253 5"	yyddh08.s1 Soares_multiple_sclerosis_ZNbHMSP Homo sapiens cDNA clone IMAGE:2788393"	Synechocystis sp. PC08803 complete gename, 20/27, 2539000-2844794	Hrudo medicinalis Intermediate filament glarin mRNA, complete cds	H. saplens MUC18 gene excn 16	hn52c06.x1 NCI_CGAP_Co17 Homo sapiens cDNA clone IMAGE.3027274 3' similar to contains element	MER29 repetitive element;	601894320F1 NIH_MGC_17 Homo sepiens cDNA done IMAGE:4139983 5	H. frencisci mRNA for myelin basic protein (MBP)	Pseudomonas aaruginosa PA01, section 105 of 529 of the complete genome	te52a09.x1 Sceres_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:20902983'	MR1-OT0011-280300-009-004 OT0011 Homo sepiens oDNA	MR1-0T0011-280300-009-g04 OT0011 Homo sapiens cDNA	ak24h04,s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1406935 3'	QV4-DT0021-301289-071-b11 DT0021 Homo sepiens cDNA	HYPOTHETICAL PROTEIN DJ845024.2	Oryza sativa putative histone deacetylese HD2 mRNA, complete cds	Neisserla menhgilidis serogroup B strain MC58 section 160 of 208 of the complete genome	Neisseria meningitidis serogroup B strain MC58 section 160 of 206 of the complete genome	HYPOTHETICAL 7.9 KD PROTEIN IN FIXW SREGION	601763288F1 NIH_MGC_20 Hamo sepiens cDNA dane IMAGE:4026280 5	601763268F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:4026280 G	Mus musculus carbonic anhydrase IV gene, complete cds
Top Hit Detabase Source	EST_HUMAN ©	Г	N L	M TN	TN D	Ĭ	H LN	NT TN	EST_HUMAN 60	N LN	EST_HUMAN 60	EST_HUMAN N	S LN	E	I	2	EST_HUMAN M	EST_HUMAN 60	H	NT IN	EST_HUMAN to	EST_HUMAN M		EST_HUMAN a	EST_HUMAN Q	SWISSPROT H	O LN	Z E	N L	SWISSPROT H	EST_HUMAN 6	T_HUMAN	N N
Top Hit Acession No.	1.9E-02 AH52999.1		1.9E-02 AF037352.1		1.9E-02 AB019507.1	1.9E-02 U19241.1	1.9E-02 U19241.1	1.9E-02 AL162754.2	1.9E-02 BF316129.1	1.9E-02 L10114.1	1.9E-02 BF895832.1	1.9E-02 N39160.1	1.9E-02 D64001.1	1.9E-02 AF101065.1	1.9E-02 X68271.1		1.8E-02 AW771104.1	1.8E-02 BF308122.1	1.8E-02 X17884.1	1.8E-02 AE004544.1	1.8E-02 Al805829.1	1.8E-02 AW878122.1	1.8E-02 AW879122.1	1.8E-02 AA861446.1	1.8E-02 AW836363.1	060810	1.8E-02 AF255711.1	1.8E-02 AE002518.1	1.8E-02 AE002518.1	1.8E-02 P14310	1.8E-02 BF125690.1	1.8E-02 BF125690.1	1.8E-02 U37091.1
Most Similer (Top) Hit BLAST E Value	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02	1.9E-02		1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02 O60810	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02
Expression Signal	3.65	2.68	0.94	1.25	1.24	1.34	1.34	12	0.78	0.43	1.09	0.45	0.5	3.14	1.4		1.35	1.39	1.87	1.78	1.06	1.01	1.01	1.04	1.49	0.98	0.68	0.59	0.59	4.59	0.65	0.58	0.77
ORF SEQ ID NO:	30488	28540	31369	31581		33617	<u></u>		36098			36929	37034				28357	28675	Ţ.	28701		29853			30374								34854
Exan SEQ ID NO:	17594	L	L				ı		1		L	<u></u>		I		1	13435	13749		L	L			١			L	<u>i_</u>		ı		20657	Ш
Probe SEQ ID NO:	4572	5048	5389	5544	5885	7308	7308	8917	9896	10071	10405	10510	10614	12372	13026		346	988	1164	2887	3224	3902	3902	4113	4461	4992	5287	6524	6524	6982	889	7722	8467

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	QV2-NN1073-220400-169-h09 NN1073 Homo saptens cDNA	Mus musculus microtubule essociated protein 2 (Map2), mRNA	601877028F1 NIH_MGC_55 Hamo septens cDNA clane IMAGE:4105303 5	601877028F1 NIH_MGC_55 Hamo septens cDNA clane IMAGE:4105303 5	aj82109.s1 Scenes _testis_NHT Homo sapiens cDNA clone IMAGE:1394821 3' stmiter to gb:L11672 ZINC FINGER PROTEIN 91 (HUMAN);	601483545F1 NIH_MGC_67 Hamo sepiens aDNA dane IMAGE:3866963 67	Listagnalis mRNA for myomodulin neuropeptide precursor	Homo sapiens mRNA for KIAA0339 protein, partial cds	Homo sepiens mRNA for KIAA0339 protein, partial cds	Pyrococcus haritoshii OT3 genamic DNA, 1168001-1485000 nt. position (617)	Zea mays acidic ribosomal protein P2a-3 (rpp2a-3) mRNA, partial cds	y80d01.s1 Soares infant brain 1NIB Home sepiens cDNA clone IMACE:28986 3' similar to gb:M62783 ALPHA-N-ACETYLGALACTOSAMINIDASE PRECURSOR (HUMAN);	y80d01.s1 Soares infant brain 1NIB Homo sepiens cDNA clone IMAGE:28885 3' similar to gb:M62783 ALPHA-N-ACETYLGALACTOSAMINIDASE PRECURSOR (HUMAN);	601310623F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3632190 5	ht34et03.x1 Scenes_NFL_T_GBC_S1 Hamo sepiens cDNA clone IMAGE:2833740 3' similar to contains L1.t1 L1 repetitive element;	ht34a03.x1 Scares_NFL_T_GBC_S1 Hamo sepiens cDNA clone IMAGE:2833740 3' similar to contains	L1.t1 L1 repetitive element;	Homo sapiens chromosome 21 segment HS21C004	Oryctologus cunicutus mRNA for mitsugumin/29, complete cds	(microsatellite INRA41) [Ovis arles=sheep, Genomic, 361 nt, segment 1 of 2]	Homo sepiens putative Rab5 GDP/GTP exchange factor homologue (RABEX5), mRNA	qb22a08.x1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:1696982 31	hm45a04.xt NCL_CGAP_RDF1 Homo sepiens cDNA clone IMAGE:3015534 3' similar to contains MER19.bt MER19 repetitive element ;	ec/19f04.s1 Stratagene overy (#837217) Homo sepiens cDNA clone IMAGE:856927 3' stratier to contains Alu	repositive element, contains element METCA repositive element;	ye86t08.r1 Sogres fetal fiver spicen 1NPLS Hamo septens cDINA crane IMAGE:124647 5	qm08g07.x1 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1881276 3' straiter to gb:X52359 ZINC FINGER PROTEIN 30 (HUMAN);
Top Hit Delebese Source	EST_HUMAN	NT	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	F	IN	NT	NT	Į,	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN		EST_HUMAN	IN	NT	NT	NT	EST_HUMAN	EST HUMAN		EST HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	1.8E-02 AW905327.1	F18943 NT	1.8E-02 BF241924.1	1.8E-02 BF241924.1	1.8E-02 AA897543.1	1.8E-02 BE778274.1	1.8E-02 X96933.1	2	1.8E-02 AB002337.2	1.8E-02 AP000006.1	1.8E-02 U62749.1	1.8E-02 R40255.1	1.8E-02 R40255.1	1.7E-02 BE394869.1	1.7E-02 AW673183.1		1.7E-02 AW573183.1	1.7E-02 AL163204.2	1.7E-02 AB004818.1	1.7E-02 S74188.1	7657495 NT	1.7E-02 AI147615.1	1.7E-02 AW8Z7368.1		1.7E-02 AA669618.1	1.7E-02 R02508.1	1.7E-02 Al305279.1
Most Similar (Top) Hit BLAST E Value	1.8E-02	1.85-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.815-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.8E-02	1.7E-02	1.7E-02		1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02		1.7E-02	1.7E-02	1.7E-02
Expression Signal	0.79	0.75	0.5	0.5	2.03	1.65	1.2	1.7	1.7	2.73	3.16	1.35	1.35	0.8	2.15		2.15	4.23	11.19	1.03	1.18	0.96	5.52		960	2.04	0.7
ORF SEQ ID NO:	35203	35247	36238			36830		37438	37439	38413	38422	31680	31681	L			27824			28333	L	28990					30396
SEQ ID NO:	21778	21824	L.,	22785	12821		23508	23920	23920	24816	24827	25626			L		14834	14912	15138	15313	15645	16069	1	l l		17257	17507
Probe SEO IO NO:	8811	8857	9849	9849	1000	10423	10586	11786	11785	11835	11948	13105	13105	208	1806		1806	1887	되되	2301	2848	3011	3523		4188	4228	4482

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Top Hit Descriptor	h34e03.x1 Sogres_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2833740 3' similar to contains	Line La Vigorator Commission II.  Manager DNA for prefetch II orbities emericantes) correctedin II.	" Improvement Seminary (smill smill	ov61e02.s1 Soaree_bestis_NHT Homo saplens cDNA clone IMAGE:1640858 3	Rattus norvegicus N-arginine dibasic convertase 1 (Nrd1), mRNA	Hamo saplens 959 lab contig between AML1 and CBR1 on chramosome 21q22; segment 1/3	wg35f09.x1 Scares_NSF_F8_9W_OT_PA_P_S1 Homo saplens cDNA clone IMAGE:2367113 3' similar to	contains Alu repetitive element;	T.niveum (ATCC34921) simA gene for cyclosparine synthetase	oye5h03.x1 Scares_fetal_iver_splean_1NFLS_S1 Homo saptens cDNA clone IMAGE:1672881 3'	Macaca fascicularis protein tyrosine phosphatase (PRL-1) mRNA, complete cds	Homo sapiens nebulin (NEB), mRNA	Human apolipoprotein (a) gene, exon 1	Human apolipoprotein (a) gene, excn 1	Homo sapiens hyperion gene, exons 1-50	Caenorhabditis elegans cCAF1 protein gene, complete cds	DKFZp434i0314_r1 434 (synonym: htes3) Hamo sepiens cDNA dane DKFZp434l0314 6	Homo sapiens serum constituent protein (MSE55), mRNA	CAA4-NN1030-040400-130-f08 NN1030 Homo septiens cDNA	os08d04.s1 NCI_CGAP_Ov2 Homo sepiens cDNA clone IMAGE:1385287 similar to contains element MSR1 repetitive element;	Mycobacterium tubercutosis H37Rv complete genome; segment 13/162	Treponema mattophitum flaB2, flaB3 and fitD genes for flagstlin subunit proteins and CAP protein homologue	Hamo sapiens KVLQT1 gene	ne81d06.s1 NCI_CGAP_Ew1 Hamo sepiens aDNA dane IMAGE:910667	Homo sepiens mRNA for KIAA0834 protein, partial ods	IL3-CT0219-160200-063-C07 CT0219 Homo saplens cDNA	Mus musculus major histocompatibility complex region NG27, NG28, RPS28, NADH addoreductess, NG29, KIFC1, Fas-binding protein, BING1, tapasin, RaiGDS-lite, KE2, BING4, beta 1,3-galactosyl transferasse, and	RPS18 genes, complete cds; Sacm21 gene, partial>	QV2-PT0012-140100-030-f07 PT0012 Hamo saplens cDNA	za65e07.s1 Soares fetal liver splean 1NFLS Homo sepiems cDNA clone (IMAGE: 297444 3	qu42b09.x1 NCL_CGAP_Lym5 Hamo sapiens a.JNA dane IMAGE:18674173
Top Hit Detabase Source	NAME OF THE PERSON OF THE PERS	TI TOWNS	Z	EST HUMAN	NI	Z.		EST_HUMAN	LN	EST_HUMAN	NT	NT	אַן	F	NT	LN	<b>EST_HUMAN</b>	NT	EST_HUMAN	EST HUMAN	L	Ę	Ł	EST_HUMAN	LN.	EST HUMAN		FN.	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acessian No.		1./E-02 AW 3/3163.1		1.7E-02 Al015076.1	E981289 NT	1.7E-02 AJ228041.1		1.7E-02 AI789247.1		1.7E-02 Al038280.1	1.7E-02 AF190930.1	8400716 NT	1.7E-02 L07899.1	.07899.1	1.7E-02 AJ010770.1	1.7E-02 U21854.1	1.7E-02 AL040554.1	5802007 NT	1.7E-02 AW903482.1	1 7E-02 AA846926 1	1.6E-02 AL021929.1	1.8E-02   Y18889.1	AJ006345.1	1.6E-02 AA484872.1	1.0E-02 AB014534.1	1.6E-02 AW850682.1		1.6E-02 AF110520.1	1.6E-02 AW875407.1	1.8E-02 N80156.1	1.6E-02 AI281385.1
Most Similar (Top) Hit BLAST E	1	1.75-02	1.7E-02 V00641.1	1.7E-02	1.7E-02	1.7E-02		1.7E-02	1.7E-02 Z28383.1	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02 L07899.1	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1 7E-02	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.6E-02	1.6E-02		1.6E-02	1.6E-02		1.8E-02
Expression Signal	,	1.32	1.54	7.05	0.74	0.9H		1.63	0.64	1.37	1.31	1.85	0.85	0.85	1.98	9.9	1.31	1.59	3.15	. 134	222	160	0.95	1.46	1.37	4.48		2.14	96'0	0.76	0.49
ORF SEQ ID NO:		304/1	30658		30989	el el		32551		33082	33284		L			34514	36453	38551				27873			L	29506	<u> </u>		30245		31183
SEQ ID			17764	17868	L	<u>L</u>	L.	18321		L	19988	20378	20543	20543	l		22884	24956	1				L		ı	1		17235	L		18431
Probe SEQ ID NO:		<b>8</b>	4744	4851	5106	5229		8248	6618	6731	7251	7411	7681	7581	8018	16 <u>76</u>	10057	12084	12910	42050	512	1005	2572	2661	202	3537		4204	4320	6172	6325

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Probe SEQ ID NO: 10170 11503 11504 12504 1301 1250 1250 1301 1520 3408 3408 3408 3408 3408 3408 3408 3408 3408 3408 3408 3408 3408 3408 3408 3408 3408 3408 3608		28575 38575 38575 38028 28204 28380 28468 28627 30427 30427 30427 30427 30427 30428 30818 30818	Signs Signs	Note that the second se	AV723785.1  AV723785.1	Top Hit Detabase Source Source Source Source Source Source MT MT EST_HUMAN NT EST_HUMAN NT EST_HUMAN EST_H	Top Hit Describion  Top Hit Bedracture Trocos Captroscoa in 12012 mentoda  Source Detabases  Source Captroscoa in 12012 mentoda  Source Detabases  Source Captroscoa in 12012 mentoda in 12012 me
82.88 84.08	22215	35645	77.0		1.4E-02 M81702.1	NT	Candida boldinii methanol addasa (AOD1) gene, complete ods
9735	11				22	NT EST_HUMAN	Homo sapiens SPP2 gene for secreted phosphoprotein 24 precursor, excris 1-8 801078239F1 NIH_MGC_12 Homo sapiens cDNA clone IMAGE:3484241 5
10923	Ш					LN	Homo suplens chromosome 21 segment HS21C018

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Top Hit Descriptor		Human IPNAR gans for interfaron alpharbata recaptor	Arabidopsis thatiana F21,99.2 mRNA, complete cds	Homo sapiens sperm associated antigen 7 (SPAG7), mRNA	Homo sepiens chromosome 21 segment HS210001	602129475F1 NIH_MGC_56 Hamo sapiens dDNA clane IMAGE:4286203 5	802129475F1 NIH_MGC_56 Hamo sepiens cDNA clane IMAGE:4286203 5	Mus musculus beta-sarcoglycan gane, complete cds	Human germiline T-cell receptor beta chain TCRBV17S1A1T, TCRBV2S1, TCRBV10S1P, TCRBV2SS1P, TCRBV16S1, TCRBV14S1, TCRBV14S1,	TCRBV3S1, TCRBV4S1A1T, TRY4, TRY5, TRY6, TRY7, TRY8, TCRBD1, TCRBJ1S1, TCRBJ1S2,>	Mus musculus chromosome X configB; X-tinked lymphocyte regulated 5 gene, Zinc finger protein 275, Zinc finace zince	iliga posali ez, ilindzooli	Mus muscutus chromosome X contigB; X-tinked tymphocyte regulated 5 gene, Zinc finger proteth 275, Zinc finger proteth 92, mmoq28orf	Homo sapiens basic transcription factor 2 p44 (bt/2p44) gene, partial ods, neuronal apoptosis inhibitory protein (naip) and sunvival motor neuron protein (smn) genes, complete ods	C.reinhardiii ribulose 1,5-bisphosphate carboxylase/oxygenase activase mRNA, complete cds	Arabidopsis thaliana DNA chromosome 4, contig fragment No. 48	Arabidopsis thatiana DNA chromosome 4, contig fragment No. 48	ow06g05.x1 Sogres_parathyrotd_tumor_NbHPA Homo septems cDNA clone IMAGE:1646072 3' similiar to contains Alu repetitive element;	Homo sapiens human endogencus retrovirus W gagC3.37 G gag (gag) gene, complete cds	Mouse kidney androgen-regulated protein (KAP) gene, complete cds	Chlamydia trachomatis section 31 of 87 of the complete genome	zh24a07.s1 Soares_pineal_gland_N3HPG Homo sapiens cDNA clone IMAGE:412880 3'	xx34e03.x1 Sogres_NFL_T_GBC_S1 Hamo sapiens cDNA clane IMAGE:2815036 3'	XX84e03.x1 Soares_NFL_T_GBC_S1 Homo saplens cDNA clane IMAGE:2815036 3'	Bacillus subilis complete ganome (section 14 of 21); from 2589451 to 2812870	Human herpesvirus 6B, complete genome	Homo seplens V1b vasopressin receptor (VPR3) gene, complete cds	H.sepiens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8, 9, 13 and 14 genes
Top Hit Database Source		NT	IN	NT	NT	EST_HUMAN	EST_HUMAN	M		M	£	Z	TN	FN	NT TN	Ę	¥	EST HUMAN	M	Ę	Į,	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	LN TN	NT	NT
Top Hit Acession No.		K60459.1	1.4E-02 AF324985.1	11426968 NT	1.3E-02 AL163201.2	1.3E-02 BF697081.1	1.3E-02 BF697081.1	1.3E-02 AF169288.1		J66061.1	0 00000	1.3E-02 ALU49806.2	1.3E-02 AL049868.2	J80017.1	1.3E-02 M62962.1	1.3E-02 AL161546.2	1.3E-02 AL161546.2	1.3E-02 Al031583.1	1.3E-02 AF156961.1	1.3E-02 M63707.1	1.3E-02 AE001304.1	1.3E-02 AA707741.1	1.3E-02 AW 268563.1	1.3E-02 AW268563.1	299117.1	TN 6905596	1.3E-02 AF152238.1	1.2E-02 X87344.1
2 ± 11	Value	1.4E-02 X60459.1	1.4E-02	1.4E-02	1.3E-02	1.3E-02	1.3E-02	1.3E-02	-	1.3E-02 U66061.1	4 95	1.35-02/	1.3E-02	1.3E-02 U80017.1	1.3E-02	1.3E-02	1.3E-02	1.3E-02	1.3E-02	1.3E-02	1.3E-02	1.3E-02	1.3E-02	1.3E-02	1.3E-02 Z99117.1	1.3E-02	1.3E-02	1.2E-02
Expression		2.14	1.47	1.96	205	2.31	2.31	1.38		1.08	,	6/-	1.79	121	0.7	125	1.25	4.8	1.48	2.18	0.63	0.44	3.74	3.74	1.4	2.51	16.88	0.67
ORF SEQ ID NO:		38172			27894		29206	·		30866		31220	31228	32597	32834	L	31229	34155	35216		37059		37809					
SEQ ID		25080	25312			16282		17033		17879	l	18423	18423	18380				20777	21786	23489	23563			L		L	L	13314
Probe SEQ ID NO:		12254	12616	12882	1972	3227	3227	3963		4964	1	5317	5317	8869	6322	7164	752	82	888	10567	10641	10988	11336	11336	12622	12714	12886	214

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					,		
Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vatue	Top Hit Acessian Na.	Top Hit Database Source	Тар Hit Descriptor
355	13443	26368	4.67	1.25-02	1.2E-02 AA058289.1	EST_HUMAN	z165g01.r1 Scares retina N2b4+IR Homo sepiens cDNA clone IMAGE:381840 6' stratiar to contains element. L1 repetitive element ;
453	13526	26456	1.81	1.2E-02 P38898	P38898	SWISSPROT	HYPOTHETICAL 17.1 KD PROTEIN IN PURS 3 REGION
740	13801	26740	3.32	1.2E-02	1.2E-02 AI183522.1	EST HUMAN	qd68e12.x1 Soeres_testis_NHT Homo septens cDNA clone IMAGE:1734670 3' strutter to contains L1.t1 L1 repetitive element;
2187	Ĺ			1.2€-02	12E-02 AL1632132	M	Hamo sepiens chromosome 21 segment HS21C013
2288	15205	28225	1.44	1.2€-02	1.2E-02 AV731704.1	EST_HUMAN	AV731704 HTF Hamo saplens aDNA clane HTFBHG11 5'
2449	15454	28478	1.65	1.2€-02	1.2E-02 AW172350.1	EST_HUMAN	x 37609.x1 Sogres_NFL_T_GBC_S1 Homo septens aDNA clane IMAGE:26594323*
2505		28634	0.99	1.2€-02	1.2E-02 BE538310.1	EST_HUMAN	601068406F1 NIH_MGC_10 Hamo sepiens cDNA clane IMAGE:3454608 51
2505	15508	28535	0.99	1.2E-02	1.2E-02 BE538310.1	EST_HUMAN	601068406F1 NIH_MGC_10 Hamo sapiens cDNA clane IMAGE:3454608 51
2843	15454	28476	1.31	1.2E-02	1.2E-02 AW172350.1	EST_HUMAN	x 37e09.x1 Scares_NRL_T_OBC_S1 Homo septems cDNA clone IMAGE:26694323*
3118	16175			1.2E-02	1.2E-02 AA075418.1	EST_HUMAN	zm88e03.r1 Strategere overfan cancer (#637219) Homo septens cDNA clane IMAGE:545020 6"
3301	16354			12E-02	R62805.	EST_HUMAN	y11b08.s1 Soares placenta Nb24P Homo septens cDNA clone IMAGE:138903 3*
4917	17934	30826	8.36	1.2E-02	6754367 NT	M	Mus musculus Interferon regulatory factor 5 (Inf5), mRNA
							Human heredihary haemochromatosis region, histone 2A-like protein gene, heredihary haemochromatosis
4953	17968	30858		1.2E-02	1.2E-02 U91328.1	¥	(HLA-H) gene, Rorket gene, and sodium phosphate transporter (NP13) gene, complete ods
2080	18090		1.54		1.2E-02 AB019786.1	Ę	Oynops pyrthogaster CpUbliqT mRNA, partial cds
6121	18131	31008	2.09		AV731704.1	EST_HUMAN	AV731704 HTF Hamo septems CDNA clane HTFBHG11 5
5259	18267	31135	1.01	1.2E-02	1.2E-02 AF185578.1	NT	Mus musculus POZ/zinc finger trenscription factor ODA-8 mRNA, complete cds
69/9	18861		9.0	1.2E-02	1.2E-02 AA759018.1	EST_HUMAN	al29f10.s1 Soares_testis_NHT Homo septens cDNA clone 1344235 3'
6846	18936	32120	1.72	1.2E-02	1.2E-02 D78589.1	NT	Rana rugosa mRNA for catreticulin, complate cds
8000	40044	275.40	03/0	4 25 00	4 OC NO A ENARKER 4	Ę	Homo espiens w/scrt (WBSCR1) and w/scrt (WBSCR5) genes, complete cds, attematively spliced and remination factor C subunit 2 (RFC2) cens. complete cds.
7203				125-02	1.2E-02 AF175412.1	Z	Mus musculus DNA methyltransferase (Dnmt1) gene, excris 2, 3, 4, and 5
7510	L			1.2E-02	1.2E-02 H02197.1	EST HUMAN	y34h12.s1 Scares placenta NbZHP Homo sapiens cDNA clone IMAGE:1506953'
735		L		1.25-02	1.2E-02 AV732093.1	EST_HUMAN	AV732093 HTF Hamo septens cDNA clane HTFBJC09 6
7805	_	L		1.2E-02	1.2E-02 BF216860.1	EST_HUMAN	601882949F1 NIH_MGC_57 Homo sapiens cDNA clone IMAGE:4095253 5
						-	CMIP-N-ACETYLNEURAMINATE-BETA-GALACTOSAMIDE-ALPHA-2,3-SIALYLTRANSFERASE (BETA- GALACTOSIDE ALPHA-2,3-SIALYLTRANSFERASE) (ALPHA 2,3-ST) (GAL-NAOSS) (GAL-BETA-1,3-
8830	21299	34715	2.29	1.2E-02	1.2E-02 Q11205	SWISSPROT	GALNAC-ALPHA-23-SIALYLTRANSFERASE) (ST3GALA-2) (SIAT4-B)
8534	21502	34919	1.31	1.2E-02	1.2E-02 AF183612.1	M	Homo sepiens fitinge protein mRNA, partial cds
8534		34920	1.31	1.2E-02	1.2E-02 AF193612.1	NT	Homo sepiens fringe protein mRNA, pertial ods
9242	22208		1.1	1.2E-02	1.2E-02 T76987.1	EST_HUMAN	yd72c08.s1 Soares fetal iwer spicen 1NRLS Homo sapiens cDNA clone IMAGE:113774 3"

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Table 4
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Ilgie Exult Flobes Explessed in Dolls mailor	Top Hit Descriptor	MR0-CT0060-081099-003-h10 CT0060 Homo sepiens cDNA	HA0921 Human fetal liver cDNA library Homo sapiens cDNA	Homo seplens chromosome 21 segment HS21C102	Mus musculus corticotropin releasing hormone receptor 2 (Chir2), mixted	ACATION IN Sources fettal lives spiceen Tinning Promo Saprians CLANA CICINE IMPACIE: 185000 5	Arabidopsis fhaliana DNA chromosome 4, contig tragment No. 89	yu38h11.r1 Soares overy tumor NbHOT Homo sepiens dUNA done IMAGE:233841 o	Mus musculus transcription complex subunit NF-ATC4 (Ntatc4) gene, exons 1 and 2	Mus musculus synaptotagmin II (Sy2) gene, complete cds	MR4-BT0356-070100-201-h01 BT0356 Homo saplens cDNA	MR4-BT0356-070100-201-h01 BT0356 Homo sapiens cDNA	Z.mays UsanRNA pseudogene	601459570F1 NIH_MGC_66 Hamo septens cDNA clane IMAGE:3863177 6	601459570F1 NIH_MGC_66 Hamo sapiens cDNA clane IMAGE:3863177 5	Crithidia fasciculata 27 kDa guide RNA-binding protein mRNA, complete cds; mitochondrial gene for	mitochandrial product	AV760016 MDS Hamo sapiens cDNA clane MDSBDC10 5	Homo sapiens chromosome 21 segment HS21CX82	SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SPLICING FACTOR 3A SUBUNIT 2) (SF3A00)	RC2-DT0007-120200-016-h02 DT0007 Homo septens cDNA	Homo sapiens renal dipeptidase (RDP) gene, complete cds	Mus musculus genomic fregment, 279 Kb, chromosome 7	H.sapiens gene for Me491/CD63 antigen	Homo sepiens WDR4 gene for WD repeat protein, complete cos	wh42f09.x1 NG_CGAP_Kd11 Homo sepiens cDNA clone IMAGE:2383433 3' simitar to contains element. MER22 MER22 repetitive element ;	601470242F1 NIH_MGC_67 Homo sepiens cDNA clone IMAGE:3873346 5	Treponema pallidum section 86 of 87 of the complete genome	Arabidopsis thallana DNA chromosome 4, config fragment No. 59	Mus musculus MHC class III protein RP1 (Rp1) mRNA, partial cds	qho0f09.x1 Soares_NFL_T_GBC_S1 Hamo sapiens cDNA clone IMAGE:1854.2813	oppostations NPL_T_GBC_S1 Hamo sapiens cDNA clane IMAGE:18542813'	S.acdocadarius themopsin gene, complete cds	yo 17608.s1 Strategene lung (#63/210) Homo sapiens curva cone image.couste s
T SOUL LIONS	Top Hit Database Source	П	EST_HUMAN I			T HUMAN		LHUMAN	NT	NT		EST_HUMAN N	Z LN		EST_HUMAN (			T_HUMAN		SWISSPROT	EST_HUMAN I	INT		I		EST HUMAN		NT				T_HUMAN		EST_HUMAN
Siligie	Top Hit Acesstan No.	1.0E-02 AW845621.1	1.0E-02 A1065086.1	1.0E-02 AL163302.2	6753521 NT	<b>396567.1</b>	1.0E-02 AL161593.2	152681.1	1.0E-02 AF309388.1	1.0E-02 AF257303.1	1.0E-02 AW577113.1	1.0E-02 AW577113.1	229642.1	BF036331.1	1.0E-02 BF036331.1		1.0E-02 AF157559.1	1.0E-02 AV760016.1	1.0E-02 AL163282.2	Q62203	1.0E-02 AW935521.1	1.0E-02 S70330.1	1.0E-02 AJ276505.1	1.0E-02 X62654.1	AB039887.1	9.0E-03 A1796128.1	9.0E-03 BE781889.1	9.0E-03 AE001270.1	9.0E-03 AL161559.2	9.0E-03 AF099934.1	9.0E-03 AI251744.1	9.0E-03 AI251744.1	9.0E-03 J05184.1	9.0E-03 T70044.1
Ī	Most Similar (Top) Hit BLAST E Veitue	1.0E-02/	1.0E-02 /	1.0E-02/	1.0E-02	1.0E-02 R96567.1	1.0E-02	1.0E-02 H52681.1	1.0E-02	1.05-02	1.0E-02/	1.0E-02/	1.0E-02 Z29642.1	1.0E-02	1.0E-02		1.0E-02	1.05-02	1.0E-02	1.0E-02 Q62203	1.0E-02	1.0E-02	1.0E-02	1.0E-02	1.0E-02	B 0E-03	9.0E-03	9.0E-03	9.0E-03	9.0E-03	9.0E-03	9.0E-03	9.0E-03	9.0E-03
	Expression Signal	0.65	0.75	1.06	4.97	5.01	0.63	98.0	0.82	1.02	2.49	2.49	2.15	4.19	4.19		1.98	2.05	1.47	1.89	3.9	5.66	2.07	4.78	1.7	111	1.88	0.97	2.87	96.0	0.69	0.69	0.87	1.01
	ORF SEQ ID NO:	†	20845	29862	30725	30787	30929	31501	32114	32542	32614	32615	33470	36145	36146			38238			31518				31676		1	27485						30950
	Econ SEQ ID NO:	16588	16935	16951	17828	17898	18049	L	1	L	L	_	20150	22689	22689		24532	24680	24962	<b>I</b> _	L				L				1	<u></u>	Ĺ			18071
	Probe SEQ ID NO:	3520	3888	391	4811	4881	5036	5490	5840	6237	8305	9899	8028	9748	9748		159	11895	12081	12276	12337	12356	12721	12873	13094	ğ	4269	1478	2405	2413	2817	2817	3682	5061

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						1 900001 1 10000	rigie Exuri Probes Expressed in Done Mariow
Probe SEQ ID NO:	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
5061	18071	30851	1.01	9.0E-03	9.0E-03 T70044.1	EST_HUMAN	yc17b08.s1 Strategene lung (#637210) Homo sapiens cDNA clone IMAGE:809193'
6280	18268	31136	0.95	9.0E-03	6753521 NT	된	Mus musculus corticotropin releasing hormone receptor 2 (Crhz), mRNA
908 <sup>9</sup>	18994		1.2	9.0E-03	9.0E-03 A1809792.1	<b>EST_HUMAN</b>	wf77f04.x1 Sogres_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2361631 3'
6785			4	9.0E-03	9.0E-03 BE745988.1	EST_HUMAN	601573438F1 NIH_MGC_9 Hamo sepiens cDNA clane IMAGE:3834752 5
7698	20656	34020	0.63	9.0E-03	9.0E-03 AI242219.1	<b>EST_HUMAN</b>	qh87c12.x1 Soares_NRT_GBC_S1 Hamp sepiens cONA clone IMAGE:18539743'
7712	20669	34036	0.81	8.0E-03	8922570 NT	ĮN.	Homo sapiens hypothetical protein FLJ10850 (FLJ10850), mRNA
8207	21177		06.0	9.0E-03	9.0E-03 AL039991.1	EST_HUMAN	DKFZp434L0412_r1 434 (synonym: https3) Hamo sapiens cDNA clane DKFZp434L04125
8692	21360		0.55	9.05-03	8.0E-03 AF223391.1	Į	Homo sepiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, attennatively softed
102201	L	39635	1.42	9.0E-03 P20908		SWISSPROT	COLLAGEN ALPHA 1(V) CHAIN PRECURSOR
11331	24281		1.6	9.0E-03	-	¥	Homo sapiens NF2 gene
12690			2.12	9.0E-03	5.1	EST_HUMAN	hw/7b09.xf NCI_CGAP_LL24 Homo sepiens cDNA clone IMAGE:3183161 3'
12989	25540		15.47	9.0E-03	F	EST_HUMAN	PM1-HT0452-29/299-001-e09 HT0452 Homo capiens cDNA
							zh30e03.s1 Soares_pineal_gland_NSHPG Homo sapiens cDNA clone IMAGE:413596 3' similar to contains
502	_		3.01	8.0E-03	1	EST_HUMAN	Alu repetitive element;
8	14043	26997	19.52	8.0E-03	8.0E-03 AF106656.1	NT	Homo sepiens adeny/osuccinate lyase gene, complete cds
2166		28202	1.68	8.0E-03	8.0E-03/AL163283.2	NT	Homo saplens chromosome 21 segment HS21C083
3321	16372	88Z8Z	1.12	8.0E-03	8.0E-03 BE171225.1	EST_HUMAN	RC1+HT0545-120200-011-b09 HT0545 Homo sepiens cDNA
3370	16420	29345	0.93	8.0E-03	8.0E-03 AJ131016.1	TN	Homo sapiens SCL gene locus
3689	16732	29644	1.25	8.0E-03 P32644		SWISSPROT	HYPOTHETICAL 127.0 KD PROTEIN IN RAD24-BMH1 INTERGENIC REGION
3888	16732	29645	1.25	8.0E-03 P32644		SWISSPROT	HYPOTHETICAL 127.0 KD PROTEIN IN RAD24-BMH1 INTERGENIC REGION
4285		30183	1.08	8.0E-03	.1	EST_HUMAN	QV0-FN0181-140700-304-g10 FN0181 Homo sepiens cDNA
4410	17438	30326	6.3	8.0E-03	27.1	EST_HUMAN	CAH-NN0119-300600-223-b05 NN0119 Homo sepiens cDNA
4747	17787	30662	0.65	8.0E-03 P03181		SWISSPROT	HYPOTHETICAL BHLF1 PROTEIN
4747	17767	30683	0.65	8.0E-03 P03181		SWISSPROT	HYPOTHETICAL BHLF1 PROTEIN
				-			Mus musculus major histocompatibility complex region NG27, NG28, RPS28, NADH oxidoreductasse, NG28, KIFC1, Fes-binding protein, BiNG1, tapasin, RefGDS-lite, KE2 BiNG4, beta 1,3-oxidadosyl transfersse, and
580	18697	31668	. 268	8.0E-03	_	Z	RPS18 genes, complete cds; Sacm21 gene, partial>
8233		32635	1.39	8.0E-03	8.0E-03 AP000002.1	M	Pyrococcus horliceshii OT3 genomic DNA, 287001-544000 mt. poetition (277)
6913	19965	33261	4.24	8.0E-03		SWISSPROT	PROBABLE PEPTIDASE YANA
7104			1.4	8.0E-03 V01109.1		NT	Human BK virus (strain MM) genome. (Closely related to SV40.)
7415	L	33733	1.88	8.0E-03			A.californica (marine gastropod mollusc) neuropeptide gene (bag call), exon 1, 5' end
2780	20743		1.81	8.0E-03	8.0E-03 AB038267.1	IN	Tursiops truncatus mRNA for p40-phay, complete cds

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Top Hit Top Hit Source	BASEMENT MEMBRANE-SPECIFIC HEPARAN SULFATE PROTEOCLYCAN CORE PROTEIN PRECURSOR (HSPG) (PERLECAN) (PLC)	WR1-ST0111-111199-011-h06 ST0111 Homo sepiens cDNA	Cempylobacter jejuni NCTC11168 complete genome; segment 2/6	Mus musculus fusion 2 (human) (Fus2), mRNA	QV1-BT0677-040400-131-g03 BT0677 Homo sepiens cDNA	601475619F1 NIH_MGC_68 Hamo septens cDNA clane IMAGE:3878405 5	S.carevisiae chronosome X reading frame ORF YJR152w	CN44-NNO119-300600-223-b05 NN0119 Homo sepiens cDNA	cd80e09.s1 NCI_CGAP_Ov2 Hamo septems aDNA dane IMAGE:1374232	od80a09.s1 NCI_CGAP_Ov2 Hamo sapiens cDNA clone IMAGE:1374232	Homo sepiens melanoma associated antigen (MAGE-C1) gena, complete cds	Oryctolegus cuniculus elF-2a kinase mRNA, complete cds	Homo sapiens ABCG1 gene for ABC transporter (ATP-binding cassette, sub-family G (WHITE), member 1),	complete cds	Cryptosporidium parvum HC-10 gene, complete cds	Cryptosportdium parvum HC-10 gene, complete cds	Glycine max glutathione S-transferase GST 21 mRNA, partial cds	AV731712 HTF Hamo sapiens CDNA clone HTFAZF10 5	FORKHEAD BOX PROTEIN D3 (HNF3/FH TRANSCRIPTION FACTOR GENESIS) (HEPATOCYTE NUCLEAR FACTOR 3 FORKHEAD HOMOLOG 2) (HFH-2)	ab79b09.s1 Strategene fetal refina 937202 Homo sapiens cDNA clone IMAGE.853145 3"	xx21b02.x1 Sogres_NFL_T_GBC_S1 Hamo saplens cDNA clane IMAGE:2813739 3'	EST382826 WAGE resequences, WAGA Hamo septens cDNA	EST382826 MAGE resequences, MAGA Homo sepiens cDNA	HISTIDINE-RICH GLYCOPROTEIN PRECURSOR	qf34h02x1 Scares_testis_NHT Homo sepiens cDNA clone IMAGE:1751955 3"	UFH-Bi3-akb-c-10-0-Ui.s1 NCI_CCAP_Sub5 Homo sapiens cDNA clone IMAGE:2733691 3'	Rattus norvegicus neuronal nicotinic acetylcholine receptor subunit (Alpha10) mRNA, complete cds	UI-H-BI3-elfb-c-10-0-UI.s1 NCI_CGAP_Sub5 Homo seplens cDNA clone IMAGE:2733691 3'	Dictyosteftum discoideum multidrug resistance transporter/Ser protesse (tagC) mRNA, complete cds
Top Hit Delabase Source	SWISSPROT	EST_HUMAN	NT	IN	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	F		M	NT	١	TN	EST_HUMAN	SWISSPROT	EST HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	SWISSPROT	<b>EST_HUMAN</b>	EST_HUMAN	Þ	EST_HUMAN	둗
Top Hit Acession No.	98160	8.0E-03 AW808692.1	8.0E-03 AL139075.2	9789956 NT	8.0E-03 BE086509.1	8.0E-03 BE788441.1	249652.1	8.0E-03 BF363327.1	8.0E-03 AA828817.1	8.0E-03 AA828817.1	8.0E-03 AF064589.1	8.0E-03 M69035.1	-	8.0E-03 AB038161.1	7.0E-03 AF097183.1	7.0E-03 AF097183.1	7.0E-03 AF243378.1	7.0E-03 AV731712.1	061080	7.0E-03 AA688298.1	7.0E-03 AW303599.1	7.0E-03 AW950556.1	7.0E-03 AW950556.1	P04929	7.0E-03 AI150273.1	7.0E-03 AW444463.1	7.0E-03 AF196344.1	7.0E-03 AW444463.1	7.0E-03 U60086.1
Most Similar (Top) Hit BLAST E Value	8.0E-03 P98160	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03 249652.1	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03		8.0E-03	7.0E-03	7.0E-03	7.0E-03	7.0E-03	7.05-03 061080	7.0E-03	7.0E-03	7.0E-03	7.0E-03	7.0E-03 P04929	7.0E-03	7.0E-03	7.05-03	7.0E-03	7.0E-03
Expression Signal	0.58	3.77	0.52	0.58	5.16	1.98	2.66	2.69	1.55	1.55	3.74	2.04		2.6	18.14	18.14	4.66	4.38	1.6	3.03	3.04	1.03	1.03	2.08	79'0	0.93	1.45	0.83	0.98
ORF SEQ ID NO:	35631	35657				37602		38156	38252	38253	38495				26687	26688	26983	27/13		27399	27506								
SEQ ID	10222	12222	22238	22236	23232	24078	24280	24586	24675	24675	24000	25047		25077	13757	13757	14029	14162	14400	14430	14535	14785	14785	15888	16616	16820	1		1 1
Probe SEQ ID NO:	9235	1928	8270	9331	10308	11118	11330	11640	11710	11710	12021	12205		12249	<b>98</b>	882	878	1118	288	1396	1502	1756	1756	7922	3571	3778	8	4048	4366

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Probe SEQ ID NO:	Exen SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Stmiler (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Defebese Source	Top Hit Descriptor
4565	17588		-	7.0E-03	7.0E-03 AW117711.1	EST_HUMAN	xe84f09.x1 NCI_CGAP_Ut1 Homo sepiens aDNA clone IMAGE:2809033 3' similar to TR:Q12887 Q12897 ACIDIC 82 KDA PROTEIN.;
4629	17650		1.47		7.0E-03 AW630888.1	EST_HUMAN	hh89a05,y1 NCI_CGAP_GU1 Homo sapiens cDNA clone IMAGE:2368938 5
5024	18038		1.81	7.0E-03	7.0E-03 AL163278.2	N.	Homo sapiens chromosome 21 segment HS21C078
5228	18234	31108	1.4		7.0E-03 AV724419.1	<b>EST_HUMAN</b>	AV724419 HTB Homo sepiens cDNA clone HTBCEE08 5
8228	18234	31109	1.4		7.0E-03 AV724419.1	EST_HUMAN	AV72419 HTB Hamo sepiens cDNA clane HTBCEE08 5
			i				y82g01.r1 Scares fetal liver spiean 1NFLS Homo sapiens cDNA clone IMACE:211824 5' similar to
5918			0.83		7.0E-03 H71106.1	EST_HUMAN	gb:X14728 GLUSTERIN PRECURSOR (HUMAN);
6233	25656		5.11		7.0E-03 AW861059.1	EST_HUMAN	RC1-CT0288-060400-018-c08 CT0286 Homo sapiens cDNA
6447	19512	32782	1.38		7.0E-03 W68251.1	EST_HUMAN	2433110_r1 Soares_fetal_heart_NbHH19W Homo septems cDNA done IMAGE:342475 67
2889	19744	33019	3.16		7.0E-03 AA327129.1	EST_HUMAN	EST30674 Colon I Homo seplens cDNA 5' end
6747	, 8778	33052	2	7.0E-08	7 0E-09 BE857305 4	EST HIMAN	7g44b10x1 NCI_CGAP_Bm23 Homo sepiens cDNA clone INAGE-3308347 3' similar to TR-013387 043387 HYPOTHETICAL PROTEIN 38418 2 symptons TAB4 to TAB4 magnifiles element
7284		38387	185	7.0E-03	7.0E-03 BE028438 4	EST HIMAN	CM2-CT0478-250800-847-h11 CT0478 Hymo seniens cDNA
7788		34088	5.31	7.0E-03	7.0E-03 Z35838.1		S.cerevisiae chronosome II reading frame ORF YBL077w
7783		34089	5.31	7.0E-03	7.0E-03 Z35838.1	N.	S.cerevisiae chromosome II reading frame ORF YBL077w
8180	21150	34557	0.45		7.0E-03 AJ229043.1	N	Homo sepiens 959 ldb config between AML1 and CBR1 on chromosome 21q22, segment 3/3
8480	21150	34558	0.45		7.0E-03 AJ229043.1	Į.	Homo sapiens 959 ldo contig between AML1 and CBR1 on chromosome 21q22, segment 3/3
8448	21417	34830	2.46		7.0E-03 BE175667.1	EST_HUMAN	RC5-HT0582-160300-011-D02 HT0582 Homo saplens cDNA
1968	12812	35354	0.49		7.0E-03 AF281074.1	NT	Homo saptens neuropitin 2 (NRP2) gene, complete cds, attematively spitced
9752	22693		0.71	7.0E-03	7.0E-03 AF111168.2	NT	Homo sapiens serine palmitry/ transferase, subunit II gene, complete cds; and unknown genes
							y48c10.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:246068 3' samilar to contains
8958	22880	36344	0.85		7.0E-03 N52378.1	EST_HUMAN	Alu repetitive element
10078	23005	36475	2.84	7.0E-03 P48982	P48982	SWISSPROT	BETA-GALACTOSIDASE PRECURSOR (LACTASE)
10078	23005	36476	2.84	7.0E-03 P48982	P48982	SWISSPROT	BETA-GALACTOSIDASE PRECURSOR (LACTASE)
10688	23590		1.08	7.0E-03	7.0E-03 AV687379.1	EST_HUMAN	AV687379 GKC Hamo sapiens cDNA clane GKCAFC07 5"
10853	23773		98'0	7.0E-03	7.0E-03 AI789734.1	EST_HUMAN	wc37e09.x1 NCI_CGAP_Prz8 Homo sapiens cDNA clone IMAGE:2320840 3'
11176	24132	37662	223	7.0E-03	7.0E-03 AB008852.1	TN	Bos taurus mRNA for NDP52, complete cds
11248	24201	37722	1.51	7.0E-03	7.0E-03 AJ004862.1	INT	Homo sepiens pertial MUCBB gene, exon 1-29
11248	24201	37723	1.51		7.0E-03 AJ004862.1	LN	Homo saplens partial MUCSB gene, exon 1-29
							y/15h01.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:242833 3' similar to contains
12734	_1		1.53	7.0E-03	7.0E-03 H94065.1	EST_HUMAN	Alu repetitive element,
12741			1.91	7.0E-03	7.0E-03 BE283253.1	EST_HUMAN	601145154F2 NIH_MGC_19 Hamo saptens cDNA clone IMAGE:3160476 5
12834	25451		1.99	7.0E-03	7.0E-03 Y17455.1	¥.	Homo sapiens LSFR2 gene, penultimate exon

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Single Exon Probes Expressed in Bone Marrow

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Top Hit Descriptor	hd22a05.x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone INAGE:2910224 3' similar to SW.PXR_HUMAN 075469 ORPHAN NUCLEAR RECEPTOR PXR;	hd22a05.xt Soarss_NFL_T_GBC_S1 Homo sapiens cDNA done INAGE:2910224 3' stritter to SW PYR_HUMAN 076469 ORPHAN NUCLEAR RECEPTOR PYR;	Danio rerio odorant receptor gene cluster	ah78e11.s1 Soares_testis_NHT Homo sapiens cDNA clone 13217723'	ah78e11.s1 Soares_testis_NHT Homo eapiens cDNA clone 1321772.3	yr77h04.r1 Soeres fetal liver spleen 1NFLS Homo saptens cDNA clone IMAGE::211351 5"	Fugu rubripes zinc finger protein, isotocin, fatty acid binding protein, sepiapterin reductase and vasotocin genes, complete cds	Fugu rubripes zinc finger protein, isotocin, fatty acid binding protein, septapterin reductase and vasotocin	genes, complete cds	zc13a11.r1 Scares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:322172 6	UH-HBIA-apm-c-06-0-UI.s1 NCI_CGAP_Sub8 Homo sapiens cDNA clone IMAGE:3087754 3"	RC1-BT0606-260400-014-a07 BT0606 Homo saplens cDNA	Mus musculus glucosamine-8-phosphate deaminase (Gnpi), mPNA	RCO-CT0204-240999-021-510 CT0204 Homo sapiens cDNA	600842804F1 NIH_MGC_15 Hamo sapiens aDNA done IMACE:2959513 5	ox33c11.x1 Sogres_testis_NHT Hamo septems cDNA clone IMAGE:16391.24.3'	EST27118 Cerebellum II Homo sapiens cDNA 6' end similar to EST containing Alu repeat	Variola virus, complete genome	SYNAPSIN III	601112363F1 NIH_MGC_16 Hamo sapiens aDNA clone IMAGE:3363172 6	EST11949 Uterus tumor I Homo sepiens cDNA 5 end	EST11949 Uterus tumor I Homo sapiens cDNA 5' end	Homo sepiens telamerase reverse transcriptase (TERT) gene, excris 7-16 and complete cds	RAS-RELATED PROTEIN RAP-28	Homo sapiens DMBT1 candidate tumour suppressor gene, exons 1 to 55	ow13s04.x1 Soeres_perathyroid_tumor_NbHPA Homo sepiens cDNA done IMAGE:1846670 3" similar to	contains MER10.51 MER10 repetitive element;	RCO-UMOO51-210300-032-g02 UM0051 Homo sapiens cDNA	601454915F1 NIH_MGC_66 Hamo sapiens cDNA done IMAGE:3858626 5	Subscute sclerosing panencephalitis (SSPE) wirus mRNA for fusion protein
Top Hit Database Source	EST_HUMAN	EST_HUMAN	F	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ę		M	EST_HUMAN	EST_HUMAN	EST_HUMAN	N	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	INT	SWISSPROT	EST_HUMAN	EST_HUMAN	EST_HUMAN	¥	SWISSPROT	¥		EST HUMAN	EST_HUMAN	EST_HUMAN	Į,
Top Hit Acession No.	6.0E-03 AW511148.1	6.0E-03 AW511148.1	6.0E-03 AF112374.1	AA759135.1	6.0E-03 AA759135.1	6.0E-03 H75690.1	6.0E-03 U90880.1		6.0E-03 U90880.1	6.0E-03 W37985.1	6.0E-03 BF510986.1	6.0E-03 BE077356.1	6764029 NT	6.0E-03 AW847284.1	6.0E-03 BE250108.1	8.0E-03 AI016833.1	6.0E-03 AA324242.1	9627521 NT		6.0E-03 BE253748.1	6.0E-03 AA289442.1	8.0E-03 AA299442.1	8.0E-03 AF128894.1	P17964	8.0E-03 AJ243211.1			7.1	6.0E-03 BF038198.1	8.0E-03 D10548.1
Most Similer (Top) Hit BLAST E Vatue	6.0E-03	6.0E-03	6.0E-03	6.0E-03	6.0E-03	6.0E-03	6.0E-03		6.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03	8.0E-03	6.0E-03	5.0E-03	6.0E-03 O14994	6.0E-03	6.0E-03	8.0E-03	8.0E-03	6.0E-03 P17964	6.0E-03		8.0E-03	6.0E-03	8.0E-03	8.0E-03
Expression Signal	98'6	98.86	1.32	4.82	4.82	2.26	13		1.3	1.28	4.48	1.21	1.19	0.87	6.0	1.81	5.97	6.0	0.87	0.64	0.83	0.83	9.0	0.62	0.5		6.56	2.54	1.51	8.57
ORF SEQ ID NO:	27244	27245					28368		29369		62962	29867	29737	29900			30635	32581	33541		33783	33784	34238		34473		34571	34687		36188
Econ SEQ ID NO:	14282	14282	]	<u> </u>	L		16442		16442	16603	16715	16751	16831	16984	17019	17419	17744	25657	20212	18366	20427	20427	20851	21036	21073		21161	21276		LJ
Probe SEQ ID NO:	1245	1245	2782	2801	2804	3280	3383		3393	3567	3672	3708	3790	3944	3979	430H	4724	9229	6869	7034	7461	7461	2908	8100	8136		8191	8307	8381	9912

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Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acessian No.	Top Hit Detabese Source	Top Hit Descriptor
3181	16236	29153	1.22	5.0E-03	5.0E-03 R71794.1	EST_HUMAN	y88502.s1 Scares breast 2NbHBst Homo capiens cDNA clone IMAGE:1556663"
3291	16344		0.94	5.05-03	5.0E-03 AJ297357.1	NT	Homo sapiens partial LIND1 gene for LIM domains containing protein 1 and KIAA0851 gene
3679	16722	29635		5.05-03	5.0E-03 AL163285.2	INT	Hamo sepiens chranosame 21 segment HS210085
3713	16756	29670	4.03	5.0E-03	5.0E-03 AF147449.2	NT	Pseudomonas aeruginosa strain PAO1 penicillin-binding protein 18 (ponB) gene, complete cds
3771		287722	-	5.05-03	5.0E-03 U38914.1	TN	Citrus sinensis seed storage protein citrin mRNA, complete cds
3005	L		2	5.0E-03	5.0E-03 AA299675.1	EST_HUMAN	EST12218 Uterus fumor I Homo septens cDNA 5' end
4333	17361	30246	0.69	5.0E-03	5.0E-03 H78355.1	EST_HUMAN	yu.79g10.r1 Soares fetal liver spleen (INFLS Homo sapiens cDNA clone IMAGE:240066 5
4335		22782	1.02	5.0E-03	5.0E-03 U38914.1	Ŋ	Citrus sinensis seed storage protein citrin mRNA, complete cds
<u>4</u> 69	17622	30515	1.02	5.0E-03	5.0E-03 U46891.1	MT	Human putative chromatin structure regulator (SUPT6H) mRNA, complete ods
4638	17659	30546	1.13	5.0E-03	6.0E-03 AJ131018.1	TN	Homo sepiens SCL gene locus
4749	17789	30665	1.34	50E-03	5.0E-03 AJ752367.1	EST_HUMAN	ca 15002.x1 Normal Human Trabecular Bone Cells Homo sapiens cONA clone NHTBC_ca 15002 random
4970				6.0E-03 P15265	P16265	SWISSPROT	SPERM MITOCHONDRIAL CAPSULE SELENOPROTEIN (MCS)
5222	ı		1.69	5.0E-03	6754029 NT	¥	Mus musculus glucosamine-8-phosphate deaminase (Gnpl), mRNA
2883	l			5.0E-03 P35500	P35500	SWISSPROT	SODIUM CHANNEL PROTEIN PARA (PARALYTIC PROTEIN)
							PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE FAF-Y (UBIQUITIN THIOLESTERASE
							FAF-Y) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE FAF-Y) (DEUBIQUITINATING ENZYME FAF- Y) (FAT FACETS PROTEIN RELATED, Y-LINKED) (UBIQUITIN-SPECIFIC PROTEASE 9, Y
9162	19237	32468	2.97	£.0E-03 000507	200000	SWISSPROT	CHROMOSOME)
9188	19272		68.0	5.0E-03	5.0E-03 AE002234.2	NT	Chiamydophila pneumoniae AR39, section 62 of 94 of the complete genome
6747	19801		7.44		5.0E-03 BE300091.1	EST_HUMAN	800944564T1 NIH_MGC_17 Hamo sapiens cDNA clane IMAGE:2960871 3'
2022	l	31274			5.0E-03 AB025024.1	NT	Mus muscutus AMD1 gene for S-edenosytmethionine decarboxytasa, complete cds
7240	19975		0.82	6.0E-03	6.0E-03 AB038287.1	LN	Tursiops truncatus mRNA for p40-phox, complete cds
7286	20267	33602	29.0	5.0E-03	6763651 NT	N	Mus musculus dynein, excn, heavy chain 11 (Dnahc11), mRNA
							EST03012 Fetal brain, Strategene (cet#636206) Homo septens cDNA clone HFBCR83 shrifar to EST
77.27		34047			6.0E-03 T05124.1	EST_HUMAN	Containing AU repeat
7856				5.0E-03	5.0E-03 AW854327.1	EST HUMAN	RC3-C10256-C31089-C11-IV C10250 Home sapiens GUNA
8044	20981	34378	6.8	5.0E-03	5.0E-03 AB016816.1	LN.	Homo sapiens MAXIL1 mknvA, complete cds
8097	21033	34431	0.49	5.0E-03   Q9R001	Q9R001	SWISSPROT	ADAM-TS 5 PRECURSOR (A DISINTEGRIN AND METALLOPROTEINASE WITH THROMBOSPONDIN MOTIFS 6) (ADAMTS-6) (ADAM-TS5) (AGGRECANASE-2) (ADMP-2) (IMPLANTIN)
					70000	TOGGOOM	ADAM-TS 5 PRECURSOR (A DISINTEGRIN AND METALLOPROTEINASE WITH THROMBOSPONDIN LACTIES 5 (ADAMTS 5) (ADAMTS 5) (A CARECANASE 2) (ADAMPS 7) (ADAMTS 5)
) (1)	┙			DODES CANON	Control of the Contro	SWISSPACE	BETA GALACTOCIDAGE DEED ISON (1 ACTAGE)
<b>E</b>		34967	212		7-4836Z	SWISSITTO	DELICEMENT OF SECURIOR SECURIO
8869	21925		5.83		5.0E-03 M61132.1	Z	Mades camprenent receptor (CAZ) Interve, 3 end

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Top Hit Descriptor	Escherichia coli genomic DNA. (19.1 - 19.4 min)	Rabbit uteroglobin (UGL) gene, excn 1	Plasmodium berghei 58 kDa phosphoprotein mRNA, partial ods	RC0-ST0379-210100-032-c02 ST0379 Homo sepiens cDNA	nyk8h10.s1 NCI_CGAP_Pr9 Hamo sapiens cDNA clane IMAGE:885587	Hamo sapiens PR00471 protein (PR00471), mRNA	ag48c10.s1 Gessler Wilms turnor Horno sapiens cDNA clone IMAGE:1128290 3'	694F Heart Hamo sapiens cDNA clane 694	xn59g05.x1 Soares_NHCeC_cervical_tumor Homo sapiens cDNA clone IMAGE:2698040 3' similar to contains L1.12 L1 repetitive element;	xn59g05.x1 Soares_NHCeC_cervical_turnor Homo sapiens cDNA clone IMAGE:2898040 3' similar to	CONTRINS L1.K L1 repositive etement	yobeco4.rl Stratagene placenta (#63/225) Homo septens G.NA clone IMAGE: (10865 5	1248c04.y1 NCI_CGAP_Bm62 Homo septens cDNA clone IMAGE:2291622 5	Gallus gallus ghyeraidehyde-3-phosphate dehydrogenase mRNA, complete cds	Brugia malayi Y chromosome marker	Human pro-alphat type II collagen (COL2A1) gene exons 1-54, complete cds	ZX75a03.s1 Scares overy tumor NbHOT Homo septiens cDNA clone IMAGE:809548 3' stmilar to SW-DXA2_MOUSE P14885 PROBABLE DIPHENOL OXIDASE A2 COMPONENT;	602077774F1 NIH_MGC_62 Hamo sepiens cDNA clone IMAGE:4252002 6	UHHBIS-akf408-0-UI,s1 NCI_CGAP_Sub5 Homo sapiens cDNA clone IMACE:27342153'	UHIF-BNO-eko-h-04-0-UI-11 NIIH_MGC_50 Hamo sapiens aDNA dane IMAGE:3076631 5"	yg51e04.s1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:35988 3*	PHOSPHATIDYLINOSITOL 3-KINASE 3 (PIS-KINASE) (PTDINS-3-KINASE) (PISK)	on75g12.s1 Sozres_NFL_T_GBC_S1 Hamo septiens cDNA clane IMAGE:1562566 3*	yg51e04.s1 Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:35988 3"	RC3-BT0333-110100-012-f01 BT0339 Homo septens cDNA	zi81a08.r1 Stratagana colon (#837204) Homo saptens cDNA clone IMAGE:510698 5	RC8-UN0014-170400-023-G01 UM0014 Hamo saplens cDNA	2558a01.r1 NCI_CGAP_GCB1 Homo seplens cDNA done IMAGE:701736 5	AV708305 ADC Homo septens cDNA done ADCAKB06 5	Rattus norvegicus type 1 astrocyte and offactory-limbic associated protein AT1-46 mRNA, complete ods	z81a08.r1 Stratagene colon (#837204) Homo sapiens cDNA clone IMAGE:510898 5
Top Hit Database Source	TN.	IN TN	NT	EST_HUMAN	EST_HUMAN I		EST_HUMAN	EST_HUMAN (	EST HUMAN	П	T		EST HUMAN	Į.	LN	NT TA	EST HUMAN	Т	EST_HUMAN	Г	EST_HUMAN				EST_HUMAN I	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN /	NT IN	EST_HUMAN
Top Hit Acession No.				5.0E-03 AW821888.1	Γ	7862557 NT	5.0E-03 AA653261.1	19596.1	5.0E-03 AW170334.1		5.0E-03 AW170334.1	491छ.1	5.0E-03 BE048055.1	5.0E-03 AF047874.1	5.0E-03 AF067253.1		5.0E-03 AA456597.1	5.0E-03 BF572332.1	5.0E-03 AW449109.1	4.0E-03 AW600198.1	346482.1	54675	4.0E-03 AAB3B339.1	346482.1	4.0E-03 AW749101.1	4.0E-03 AA099777.1	4.0E-03 AW794740.1	4.0E-03 AA284374.1	4.0E-03 AV708305.1		4.0E-03 AA089777.1
Most Similar (Top) Hit BLAST E Veitue	5.0E-03 D90723.1	5.0E-03 M25090.1	5.0E-03 L21710.1	5.0E-03	5.0E-03	5.0E-03	5.0E-03	5.0E-03 T19596.1	5.0E-03/		5.0E-03 /	5.0E-03 T49163.1	5.0E-03	5.0E-03	6.0E-03	5.0E-03 L10347.1	5.0E-03	5.0E-03	5.0E-03	4.0E-03	4.0E-03 R46482.1	4.0E-03 P54675	4.0E-03	4.0E-03 R46482.1	4.0E-03	4.0E-03 /	4.0E-03/	4.0E-03	4.0E-03	4.0E-03 U33472.1	4.0E-03
Expression Signal	1.08	0.61	76.0	0.68	0.44	0.47	0.51	4.17	2.15		2.16	1.66	3.62	5.42	3.7	3.19	81	5.67	3.21	2.6	2.12	1.15	4.63	1.9	3.64	27.01	1.92	1.5	1.64	2.38	11.42
ORF SEQ ID NO:	35554	98958					L		37764		37765	37857							31702		26337	28449	26586	26892		27147				21772	28070
Exam SEQ ID NO:	22125	22258	23124	23254	23440	23618	23764	24037	24237		24237	24328	24595	25938	25298	25355	26372	25752	25488	13335	13413	13518	13672	13933	13967	14185	14214	١.		14787	15053
Probe SEQ ID NO:	9459	2828	10189	10330	10518	10696	10844	11075	11287		11287	11381	11659	12463	12595	12688	12718	12743	12822	236	321	443	988	878	912	1163	1173	1308	1590	1758	2034

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Top Hit Descriptor	60130416FF1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3638510 5	RC8-UM0014-170400-023-G01 UM0014 Hamo sepiens cDNA	Homo septiens X28 region neer ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal protein L18a (RPL18a), Ce2+(Calmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR), CAM and the contained to the contained	Line protect (CLM), state transmissing protect	Homo sepiens X28 region neer ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal protein L18a (RPL18a), Ce2+/Cefmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR), CDM protein (CDM), adrencieukodystrophy protein >	Homo sapiens polygiutamine-containing C14ORF4 gene	Homo saplens polyglutamine-containing C14ORF4 gene	Hamo sepiens chranosame 21 segment HS21C084	PM1-HT0340-151299-003-h08 HT0340 Homo septens cDNA	PM1-HT0340-151289-003-h08 HT0340 Homo sapiens cDNA	x88804.x1 NCL_CGAP_Co18 Hamo espiens cDNA done IMAGE:2885279 3'	xj88f04.xr1 NCI_CGAP_Co18 Hamo sapiens cDNA dane IMAGE:2885279 3'	OLFACTORY RECEPTOR 511 (OLFACTORY RECEPTOR-LIKE PROTEIN OLF1)	Homo sepiens TNNT1 gene, exons 1-11 (and joined CDS)	ab18a08.x5 Strategene lung (#837210) Homo saplens cDNA clone IMAGE:841142 3' struitar to contains Atu	lepouve delirali, Lines sentens abremanno 24 scement USO40384	Mily september 1 sognieur 1 september 1 se	poesados y NCI_CCAP_Brass Homo sapiens a.DNA done IMAGE_2014409 3 simuar to comeans L1.t1 L1 L1 repetitive element;	z69601.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:4360093'	Foot and mouth disease virus serotype A-12 119ab capsld protein VP3	Drosophila melanogaster enon207 (anon207) mRNA, complete cds	Rattus nonegicus beta-catenin binding protein mRNA, complete cds	(HPRG)	MAJOR SURFACE LABELED TROPHOZOITE ANTIGEN PRECURSOR	DKFZp781H014_r1 761 (synonym: hamy2) Homo sepiens cDNA clone DKFZp761H014 5	Rattus norvegicus opsin gene, complete cds	hg46c07.x1 NCI_CGAP_GC8 Home saptens cDNA done IMAGE:2848652 3	601076015F1 NIH_MGC_12 Hamo sapiens aDNA dans IMAGE:3461954 5	aj32/11.s1 Scares_testis_NHT Homo sapiens cDNA clone 1392045 3"	Lycoperstcon esculentum knotted 3 protein (TKn3) mRNA, complete cds
Top Hit Database Source	EST_HUMAN 6	EST_HUMAN F		2	<u> </u>	± ×		I LN	EST_HUMAN F	EST_HUMAN F	EST_HUMAN >	EST_HUMAN	ISSPROT			ESI HUMMAN		EST_HUMAN (	EST_HUMAN 2	IN	<u> </u>	TN.	SWISSPROT		EST_HUMAN	Į.	EST_HUMAN		T HUMAN	IN
Top Hit Acesseon No.	4.0E-03 BE410558.1	4.0E-03 AW794740.1		4.0E-03 U5Z111.Z	4.0E-03   U52111.2	4.0E-03 AJ277385.1	4.0E-03 AJ277385.1	4.0E-03 AL163284.2	4.0E-03 BE154134.1	4.0E-03 BE154134.1	4.0E-03 AW 188428.1	4.0E-03 AW188428.1	Q13606	4.0E-03 AJ011712.1		4.0E-03 AI/32/64.1	4.0E-US ALTOSZB4.2	4.0E-03 AW103719.1	4.0E-03 AA69995.1	4.0E-09 J02187.1	4.0E-03 AF005859.1	4.0E-03 AF169825.1	P04198	P21849	4.0E-03 AL133871.1	4.0E-03 U22180.1	4.0E-03 AW590572.1	4.0E-03 BE548453.1	4.0E-03 AA813222.1	4.0E-03 U76408.1
Most Similar (Top) Hit BLAST E Vatue	4.0E-03	4.0E-03		4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03 Q13606	4.0E-03		4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03 P04198	4.0E-03 P21849	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	
Expression Signal	1.68	1.53		1.75	1.75	3.92	3.92	1.68	1.04	10,1	0.8	0.8	0.64	2.14		1.1	3.73	0.98	0.63	0.93	1.56	23.1	2.72	1.63	0.87	3.56	-	1.78	0.87	1.5
ORF SEQ ID NO:		28323		28298	68582		28713	28716		i	29510	20511					30/17	34050	31102						32266	L	32673		33172	
Esan SEQ ID NO:	15273	15239	l	15580	15580		1_		L	L	16587	L	16882		L	_[	17822	18182	1		1_	L		1_	L	1_	L	19507		20168
Probe SEQ ID NO:	2259	2288		2579	2578	2701	2701	2707	3239	3239	3541	3541	3639	4020		4843	4805	6173	2220	5272	6348	5473	5894	8898	8883	8203	889	6442	6827	6942

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Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	Homo sepiens chromosome 21 segment HS21C078	Homo sepiens chromosome 21 segment HS21C078	MUCIN 2 PRECURSOR (INTESTINAL MUCIN 2)	b37g12x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:2271814 3'	7631b02.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3284043 3'	H. sapiens hogIX gene	ADAM-TS 6 (A DISINTEGRIN AND METALLOPROTEINASE WITH THROMBOSPONDIN MOTIFS 6) (ADAM-TS-5) (ADAM-TS-5) (AGGRECANASE-2) (ADAM-TS 11)	Dictyostelium discoldeum AX4 development protein DG1122 (DG1122) gene, partial cds	Homo sepiens KIAA0345 gene product (KIAA0345), mRNA	1948611.X1 Scares_NFL_T_GBC_S1 Homo septens cDNA clone IMAGE:2080013 3' stmilar to contains Alu	Homo saniens chromosome 21 segment HS21C009	Horne configure characterists 24 second HOMOS	1	Т	Т	Homo sapiens chromosome 21 segment HS21C008	PM4-BN0138-180800-002-b08 BN0138 Homo sapiens cDNA	601118164F1 NIH_MGC_17 Hamo sapiens cDNA clone IMAGE:3028085 5	Г	7q74o09x1 NCI_CGAP_Lu24 Homo saplens cDNA done IMAGE: 3' samilar to contains Atu repetitive leterant contains element MER31 repetitive element:	Inhozo07.x1 NCI_CGAP_KId11 Homo septems cDNA done INAGE:2853832 3' similar to contains element	LTR5 repetitive element;	RC3-ST0281-240400-015-f03 ST0281 Hamo septens cDNA	Homo septens Grb2-essociated binder 2 (KIAA0571), mRNA	Homo saplens protein kinase CK2 catalytic subunit alpha gene, exon 1	Homo sapiens protein kinase CK2 catalytic subunit alpha gene, exon 1	nc73c05.s1 NCI_CGAP_Pr2 Hamo sapiens cDNA clane IMAGE:782984 similar to contains Alu repetitive	element	Homo sapiens MHC class 1 region	S.careale (cv. Halo) mRNA for triosephosphate isomerase	Mus musculus intestinal trefoil factor gene, partial cds
	Top Hit Detabase Source	TN	TN	SWISSPROT	EST_HUMAN	EST_HUMAN	TN	SWISSPROT	NT.	F	CCT UNIMAN	NT NT	15	EST HUMAN	Į,	EST_HUMAN	TN.	EST_HUMAN	EST_HUMAN	EST_HUMAN	NAMILIH TRA		<b>EST_HUMAN</b>	EST_HUMAN	F	TN	N		EST_HUMAN	IN	IN	NT
	Top Hit Acession No.	4.0E-03 AL163278.2	4.0E-03 AL163278.2	202817	4.0E-03 A1681483.1	4.0E-03 BE670170.1	4.0E-03 X92109.1	Q9TT92	4.0E-03 AF111944.1	7862067 NT	A IEEOOOO 4	4.0E-03 Albosses.1	4 OF 00 A1 400 770 0	4.0E-03 H30664.1	4.0E-03 AL161555.2	4.0E-03 AW513635.1	AL163206.2	4.0E-03 BE815173.1	4.0E-03 BE298290.1	4.0E-03 AW504273.1	4 0E-03 BF224125 1		4.0E-03 AW614596.1	4.0E-03 AW819141.1	36955	3.0E-03 AF011920.1	3.0E-03 AF011920.1		3.0E-03 AA468110.1	3.0E-03 AF065066.1	3.0E-03 Z32521.1	3.0E-03 U46858.1
	Most Similar (Top) Hit BLAST E Value	4.0E-03	4.0E-03	4.0E-03 Q02817	4.0E-03	4.0E-03	4.0E-03	4.0E-03 Q9TT92	4.0E-03	4.0E-03	2010	4.0E-03	20.0	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.0E-03	4.05-03		4.0E-03	4.0E-03	4.0E-03	3.0E-03	3.0E-03		3.0E-03	3.0E-03	3.0E-03	3.0E-03
	Expression Signal	1.22	1.22	4.12	0.89	0.72	99.0	0.49	6.06	1.92	7.14	74.7	200	0.57	0.79	1.65	4.53	1.62	3.2	2.13	7.20		3.31	2.73	6.48	1.69	3.09		5.52	1.58	8.08	1.3
	ORF SEQ ID NO:	33308	33300	33723	33988	33990		34665			05750	3	01000	38605	37159	37683	37954								31675	26387	26894		27676			28334
	SEQ ID NO:			20372	20624	1	20720	21243		21513	L	22207		2222	L	1	24407	28956	25213	25259	25400		25866		1	13457	13835		14701			
	Probe SEQ ID NO:	7273	7273	7404	7885	7667	7927	8274	8383	8545	798	4008 4004		10287	10742	11176	11464	12431	12454	12533	12755		12801	12814	13093	371	880		1689	2268	2302	2303

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Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	Mus musculus intestinal trefoil factor gene, partial cds	Arabidopsis thaliana rpoVit gene	601237982F1 NIH_MGC_44 Hamo sapiens cDNA dane IMAGE:3609633 5	I_2-UM0076-240300-056-D03 UM0076 Homo capiens cDNA	Mus musculus alpha-1(XVIII) collegen (COL18A1) gene, excn 1 and 2	C.elegans samdc gene	AV762392 MDS Hamo sapiens cDNA clone MDSBSG01 5	AV762392 MIDS Hamo sapiens cDNA clane MIDSBS G01 5	ano4f08,y5 Gessler Wilms tumor Homo sapiens cDNA done liMAGE:1150009 5	S.cereale (cv. Halo) mRNA for triosephosphate isomerase	Rattus novegicus gdnf gene	xu8,P10,H3 conorm Homo seplens cDNA 3'	eb 18a08.x5 Strategene lung (#637210) Homo sapiens cDNA clone IMAGE:841142 3' similar to contains Alu	repetitive element	601482715F1 NIH_MGC_68 Hamo sapiens cDNA clare IMAGE: 3663463 5	Home sapiens hypothetical protein FLJ10539 (FLJ10539), mrt/NA	Mus musculus mRNA for hypothetical protein (ORF2 ortholog)	Mus muscutus H2-M alpha chain (H2-Ma) gene, H2-M beta 2 chain (H2-Mb2) gene, H2-M beta 1 chain (H2- Mb1) gene, low molecular weight protein 2 Lmp2 (Lmp2) gene, complete cds	ae13f10_r1 Sceres_NitHMPu_S1 Homo sepiens cDNA clone IMACE:813163 67	Fugu rubripes mRNA for sodium channel alpha subunit, pertial cds	Kluyveromyces mandanus popi3 gene for purine-cytosine permease	Oryzza satiwa gene for bZIP protetn, complete cds	DNA REPAIR HELICASE RAD15 (RHP3)	RC0-BT0812-250900-032-e07 BT0812 Homo septens cDNA	RCC-BT0812-250900-032-e07 BT0812 Homo septens dDNA	zb27604.s1 Sogres, parathyroid, tumor_NbHPA Homo sapiens cDNA done IMAGE:304763 3	S.cerevisiae UGA35 gene, complete cds	HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN AZ HOMOLOG 1 (HNRNP AZA))	Hamo sapiens chramosome 21 segment HS21C008	NONSTRUCTURAL PROTEIN V	hisoftio.x1 NCI_CGAP_GU1 Homo capiens cDNA clone IMAGE:2869131 3' similar to contains L1.f1 L1 repetitive clement ;	Arabidopsis thaliana LNVA chromosome 4, coning magment No. 65
	Top Hit Database Source	Į.	Į.	EST HUMAN	EST HUMAN		NT	EST_HUMAN		T_HUMAN		H	EST_HUMAN		П	T_HUMAN		MT	Ę	T HUMAN		Z	LN L	SWISSPROT	EST_HUMAN	EST_HUMAN	EST_HUMAN	FZ.	SWISSPROT	N	SWISSPROT	EST_HUMAN	N.
J DIRILIO	Top Hit Acession No.	3.0E-03 U46858.1	709006.1	3.0E-03 BE379296.1	3.0E-03 AW802687.1	J34606.1	Y12500.1	3.0E-03 AV762392.1	3.0E-03 AV762392.1	3.0E-03 AI792278.1	3.0E-03 Z32521.1	3.0E-03 AJ011432.1	3.0E-03 AI536141.1		3.0E-03 AI732754.1	3.0E-03 BE787945.1	8822499 NT	3.0E-03 AJ249981.1	2 OF 03   1953 33 4	3 0F-03 AA458701.1	3.0E-03 D37977.1	3.0E-03 AJ011419.1	3.0E-03 AB021738.1	P26859	3.0E-03 BF333058.1	3.0E-03 BF333058.1	3.0E-03 N92580.1	3.0E-03 M63498.1	P51989	3.0E-03 AL 163268.2	3.0E-03 Q9QM81	3.0E-03 AW613774.1	3.0E-03 AL161589.2
	Most Similar (Top) Hit BLAST E Vatue	3.0E-03	3.0E-03 Y09006.1	3.0E-03	3.0E-03	3.0E-03 U34606.1	3.0E-03 Y12500.1	3.0E-03	3.0E-03	3.0E-03	3.0E-03	3.0E-03	3.0E-03		3.0E-03	3.0E-03	3.0E-03	3.0E-03	20 10 6	30F-03	3.0E-03	3.0E-03	3.0E-03	3.0E-03 P.26859	3.0E-03	3.0E-03	3.0E-03	3.0E-03	3.0E-03 P51989	3.0E-03	3.0E-03		3.0E-03
	Expression Signal	1.3	80	4.09	254	1.62	6.72	7.18	7.18	1.47	1.08	3.8	6.58		1.74	5.49	3.42	122	300	20.00	0.65	1.37	3.16	0.49	16.0	16.0	131	0.77	1.16	1.34	1.25	10.07	4.04
	ORF SEQ ID NO:	28335		69062	29136			29949	22050			30342			30776	30796		ľ		33040					L				35197				35797
	SEQ ID NO:	15315	16084	16458	16224	1	1	1784			17208	17451			17888	17907		Ŀ	·	1000	L			1		L	L	1			<u> </u>	i	22365
	Probe SEQ ID NO:	2303	acc.	86	34.88	32,828	3438	4002	4002	4087	4177	4424	4546		4871	4890	833	5835	i	20/0	2000	7412	1885	8445	8270	8270	848	888	8804	8827	8033	9843	9400

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igia Latin i obos Lapiessou in constituent	Top Hit Descriptor	Hamo sepiens procellagen-lysine, 2-axoglutaratis 5-diaxygenase (lysine hydraxylase, Ehlers-Danlos syndrome type VI) (PLOD) mRNA	COLLAGEN ALPHA 5(N) CHAIN PRECURSOR	zx42a10.r1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:789114 5	Mus musculus myelin expression factor-3-like protein gene, partial cds	Homo sapiens chromosome 21 segment HS21C102	UI-H-Bit-adig-10-0-UI.st NCI_CGAP_Sub3 Homo sapiens oDNA clone IMAGE:2717010 3*	zz42a10,r1 Scares_total_fetus_NbZHF8_9w Homo saptens cDNA clone IMAGE:789114 5	602183960T1 NIH_MGC_42 Homo sapiens cDNA clone IMAGE:4300070 3'	H.sepiens DWA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8, 9, 13 and 14 openes.	Refus noveolous mRNA for SREB1, complete cds	ENV POLYPROTEIN (CONTAINS: COAT PROTEIN GP62; COAT PROTEIN GP36)	2013 101 11 Strategore fetal retina 837202 Homo septens cDNA clone IMAGE:609361 5	Rattus norvegicus 5-hydroxyfryptamine7 receptor gene, partial cds	UI-H-BWO-dir-g-03-0-UI.s1 NCI_CGAP_Sub6 Hamo sapiens cDNA clane IMAGE:2730413 3'	HA0507 Human fetal liver cDNA library Homo sapiens cDNA	Drosophila melanogaster shortsighted class 2 (shs) mRNA, complete cds	Drosophila malanogaster shortsighted class 2 (shs) mRNA, complete cds	Homo sepiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, alternatively	spiload	yo45e02.s1 Sogres adult brain N2b4HB55Y Homo saplens cDNA clone IMAGE:180800 3'	Homo sepiens X-finked antistrictic ectodermal dysplasia protein gene (EDA), excn 2 and flanking repeat	Inglish to	B HOMO SAPIETS CONCERNATIVE FUCIECISIDE USINSPORTE (CALL I.) guard, exact 12	Homo sapiens gene for cholecystodrum type-A receptor, complete cas	601878385F1 NIH_MGC_55 Hamo septens aDNA dane IMAGE:41046825	Homo septens mRNA for KIAA0693 protein, pertial ods	WR2-UM0025-300300-102-f02 UM0025 Homo sapiens cDNA	MR2-UM0025-300300-102-f02 UM0025 Homo sepiens oDNA	Xenopus laevis xefiltin mRNA, complete cds	ATP-DEPENDENT NUCLEASE SUBUNIT B	ATP-DEPENDENT NUCLEASE SUBUNIT B	CARBONIC ANHYDRASE-RELATED PROTEIN 2 PRECURSOR (CARP 2) (CA-4P II) (CA-A)
	Top Hit Database Source		SWISSPROT	T_HUMAN	IN		П	7	EST_HUMAN	Ę		ISSPROT	L		EST HUMAN	Г	NT.	¥			EST_HUMAN		į.	LN	片	EST_HUMAN	IN.	EST_HUMAN	EST_HUMAN	M	SWISSPROT	SWISSPROT	SWISSPROT
Sign S	Top Hit Acession No.	4557836 NT	29400	20E-03 AA450138.1	2.0E-03 AF302691.1	20E-03 AL163302.2	2.0E-03 AW137782.1	2.0E-03 AA450138.1	2.0E-03 BF568955.1	787944 4	2 OF DR ABAMBAN 4	203374	2 OF 00 AA470802 4	J68491.1	2.0E-03 AW297380.1		42512.1	42512.1		2.0E-03 AF223391.1	2.0E-03 R87773.1		2.0E-03 AF003328.1	2.0E-03 AF187974.1	2.0E-03 D85606.1	2.0E-03 BF241410.1	2.0E-03 AB014583.1	2.0E-03 AW798111.1	2.0E-03 AW798111.1	20E-03 U63711.1	P23477	P23477	095203
	Most Similer (Top) Hit BLAST E Vatue	2.0E-03	2.0E-03 P.29400	2.0E-03	2.0E-03	20E-03/	2.0E-03	2.0E-03/	20E-03	2 0E-03 Y87344 4	205	2 0F-03 P03374	20 20 20	2.0E-03 U68491.1	2.0E-03	2.0F-03	20E-03 L42512.1	2.0E-03 [.42612.1		2.0E-03	2.0E-03		20E-03/	2.0E-03/	2.0E-03	2.0E-03	2.05-03	2.0E-03	2.0E-03	20E-03	2.0E-03 P23477	2.0E-03 P23477	2.0E-03 Q95203
	Expression Signal	3.03	8.7	1.28	1.52	1.02	4.02	4.82	8.0	ā	300	2.4	1 8	1.00	19	1 1	88.	188		1.09	1.84		0.73	1.02	2.28	1.33	2.18	0.61	0.64	1.73	3.79	3.79	15.16
	ORF SEQ ID NO:	27523		27800	28042			28394	29400	9000	20000	30050	888	22122		97875		l		30649					31149	31607			32069	32071	32536		32793
ſ	Essan SEQ ID NO:	14551	<u> </u>	14815	15032	15275	15585	16475	16481	70300	20101	47474		17271	17484	17488	17500	17500		17735	<u> </u>	1	_ 1	18172	18281	18881	١.	١_	<u> </u>	18889	<u> </u>		19545
	Probe SEQ ID NO:	1519	1595	1786	25	28	2584	3427	3434	000	800	28/2	2 2	4248	AAFB	4482	4577	4577		4735	4740		5054	5163	5281	5564	2709	926	5735	5797	£23	6231	6480

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Table 4
Perhas Expressed in Rone

Single Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	CARBONIC ANHYDRASE-RELATED PROTEIN 2 PRECURSOR (CARP 2) (CA-RP II) (CA-XI)	601887434F1 NIH_MGC_17 Hamo sapiens cDNA clone IMAGE:4121408 5	ADAM-TS 7 PRECURSOR (A DISINTEGRIN AND METALLOPROTEINASE WITH THROMBOSPONDIN MOTIFS 7) (ADAMTS-7) (ADAM-TS7)	AV709075 ADC Homo septens cDNA clone ADCAEF09 5'	L.esculentum mRNA for lysyl-tRNA synthetase (LysRS)	wu36h09.x1 Soares_Dieckgraefe_colon_NHCD Homo sapiens cDNA clone IMAGE:2522177 3' similar to SW-RL29_HUMAN P47914 60S RIBOSOMAL PROTEIN L29 ;contains element MSR1 repetitive element ;	213a11.s1 Sogres fetal liver_spleen_1NRLS_S1 Homo sapiens cDNA clone IMAGE:4306523'	Ceenorhabdītis elegans mRNA for galectin LEC-11, complete cds	CM4-BT0368-061289-054-d01 BT0368 Homo sepiens cDNA	qm69d11.x1 NCI_CGAP_Lu5 Homo sepiens cDNA clone IMAGE:18968853'	yd77g10.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:114306 5'	PROTEOGLYCAN LINK PROTEIN PRECURSOR (CARTILAGE LINK PROTEIN) (LP)	h37b08.x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2934035 3' similar to TR:Q60978 Q60976 JERKY.;	yx42g06.s1 Soares melanocyta 2NbHM Homo sapiens cDNA clone IMAGE:284442 3' striliar to contains L1.b2 L1 repetitive element ;	yx42g06.s1 Soares melanocyta 2NbHM Homo sapiens cDNA clone IMAGE:2644423' similar to contains L1.b2 L1 repetitive element;	HYPOTHETICAL 32.8 KD PROTEIN C8G9.05 IN CHROMOSOME!	LAMININ ALPHA-1 CHAIN PRECURSOR (LAMININ A CHAIN)	Homo sapiens Retina-derived POU-domein factor-1 (RPF-1), mRNA	Homo sapiens Retina-derived POU-domain factor-1 (RPF-1), mRNA	AU138879 PLACE1 Homo sapiens cDNA clone PLACE1004839 5	Hamo seplens ASCL3 gens, CEGP1 gens, C11af14 gens, C11af15 gens, C11af16 gens and C11af17 gens	NR2-UN0025-300300-102-f02 UM0025 Homo sapiens cDNA	NR2-UN0025-300300-102-f02 UM0025 Homo sapiens cDNA	Homo sapiens mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3 (UBE2D3) genes, complete cds	yp88a09.s1 Soares fetal liver spleen 1NRLS Homo sapiens cDNA clone IMAGE:1942963'	yp88a09.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:194296 3*
xon Probes	Top Hit Defeabese Source	SWISSPROT	EST_HUMAN	SWISSPROT	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	N.	EST_HUMAN	EST_HUMAN	EST_HUMAN	SWISSPROT	EST HUMAN	EST_HUMAN	EST HUMAN	SWISSPROT	SWISSPROT	TN	MT	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	IN		EST_HUMAN
Single	Top Hit Acession No.	095203	2.0E-03 BF308187.1	Q9UKP4	20E-03 AV709075.1	2.0E-03 X94451.1	A1991089.1	2.0E-03 AA677831.1	2.0E-03 AB038502.1	2.0E-03 BE067986.1	2.0E-03 Al298883.1	T86569.1	P07354	2.0E-03 AW 592004.1	N20287.1	N20287.1	292350		F005855 NT	6005855 NT	2.0E-03 AU136879.1	2.0E-03 AJ400877.1	2.0E-03 AW796111.1	20E-03 AW798111.1	AF224669.1	2.0E-03 H50832.1	2.0E-03 H50832.1
	Most Similar (Top) Hit BLAST E Value	2.0E-03 Q95203	2.0E-03	2.0E-03	20E-03	20E-03	20E-03	2.0E-03	2.0E-03	2.0E-03	2.0E-03	2.0E-03 T86569.1	20E-03 P07354	2.0E-03	2.0E-03 N20287.1	2.0E-03 N20287.1	2.0E-03 Q92350	20E-03 P19137	2.05-03	2.0E-03	2.0E-03	2.0E-03	2.0E-03	20E-03	2.0E-03	2.0E-03	2.0E-03
	Expression	15.16	7.38	2.26	0.77	1.36	1.25	0.71	1.08	2.86	0.64	0.77	1.55	1,95	6.01	6.01	0.57	1.23	0.77	0.77	0.81	0.67	99'0	99.0	0.68	76.0	0.97
	ORF SEQ ID NO:	32794	32796	32842	32843	32879		33133	31271	33371	33688	33837	34198	34783	34947	34948	l		35074	35075	35102		32068	32069	36007	36291	36292
	Escan SEQ ID NO:	19545	18547	19584		18814	19810	19848	18383	20064	20321	20476	20821	21365	l		21575	ı	21662	21662	•	82.11.2	18887	18887	22557	Ш	22837
	Probe SEQ ID NO:	8480 888	9482	<b>6</b> 622	6522	6554	6756	8794	7151	7287	7351	7511	7877	8386	8580	888	2002	8629	888	<b>888</b>	8700	8782	0998	8550	998	9884	9884

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Top Hit Descriptor		TENASCIN PRECURSOR (TN) (HEXABRACHION) (CYTOTACTIN) (NEURONECTIN) (GMEM) (JI) (MIOTENDINOUS ANTIGEN) (GLIOMA-ASSOCIATED-EXTRACELLULAR MATRIX ANTIGEN) (GP 150-	225) (TENASCIN-C) (TN-C)	BETA-GALACTOSIDASE PRECURSOR (LACTASE)	BETA-GALACTOSIDASE PRECURSOR (LACTASE)	Homo sepiens caspase recruitment domain-containing protein (BCL10) gene, complete cds	Homo sapiens caspase recruitment domain-containing protein (BCL10) gene, complete cds	QV3-OT0064-060400-144-e01 OT0084 Homo saplens cDNA	zs10a06.s1 NCI_CGAP_GCB1 Homo septens cDNA clone IMAGE:084754 31	WR2-GN0030-140900-001-e05 GN0030 Homo sapiens cDNA	RC1-CT0251-141099-012-d01 CT0251 Homo sepiens cDNA	RC1-CT0251-141099-012-d01 CT0251 Homo saplens cDNA	Human dystrophin gene	PROTEOCLYCAN LINK PROTEIN PRECURSOR (CARTILAGE LINK PROTEIN) (LP)	RC3-BT0333-310800-115-g04 BT0333 Hamo sapiens cDNA	H. sapiens variable number tandem repeat (VNTR) locus DNA	tyG5h03.x1 NCI_CGAP_Kid11 Hamo sapiens cDNA clone IMAGE::2283999 3' similar to SW:VATG_MANSE Q25532 VACUOLAR ATP SYNTHASE SUBUNIT G ;	Homo sepiens SEL1L (SEL1L) gene, partial cds	0443g06.s1 Soares_paraffryndd_tumor_NbHPA Homo saptens oDNA done IMAGE:1668634 S' similar to	TR-P97535 P97535 PS-PLA1 PRECURSOR.;	Cametus dromedarius cyhp19 gene for immunoglobulin heavy chain varlable region	V697966 CKC Homo sepiens cDNA clans CKCGXD05 5	H. sapiens M1 gene for muscarinic acetylcholine receptor	Homo sapiens chromosame 21 segment HS21C003	ta68102.x1 Soares_total_fetus_Nb2HF8_9w Homo espiens cDNA clone IMAGE:2048051 3' similar to	contains Alu repetitive element;	Horns compares MS455 norms normal cities and CLICH, DDAH, G86, G86, G56, G84, G86, G81, BAT5, G55,	CSK2B, BAT4, G4, Apo M, BAT3, BAT2, AIF-1, 1C7, LST-1, LTB, TNF, and LTA genes, complete ods	AV697966 GKC Hamo sapiens cDNA clane GKCQXD05 5	GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE (GAPDH)	y98c08.r1 Soares_pineal_gland_N3HPG Homo saplens cDNA clone IMAGE:232334 6
Top Hit Database Source			SWISSPROT	SWISSPROT	SWISSPROT					EST_HUMAN )	EST_HUMAN F	EST_HUMAN	IN	SWISSPROT	EST_HUMAN !	I	EST HUMAN	Г		EST_HUMAN	LN	EST_HUMAN	INT	INT	П	EST_HUMAN	-	Ę	EST_HUMAN	SWISSPROT	EST_HUMAN
Top Hit Acession No.						2.0E-03 AF097732.1	2.0E-03 AF097732.1	2.0E-03 AW884269.1	20E-03 AA251376.1	2.0E-03 BF367386.1	2.0E-03 AW361176.1	2.0E-03 AW381178.1	2.0E-03 M88524.1	P07354	2.0E-03 BF330909.1	2.0E-03 Z11740.1	2 0F-03 AI825745.1	20E-03 AF167516.2		2.0E-03 AI084325.1	2.0E-03 AJ245167.1	2.0E-03 AV897966.1	2.0E-03 Y00508.1	2.0E-03 AL163203.2		2.0E-03 AI375037.1	·	2.0E-03 AF129758.1	2.0E-03 AV697966.1	P04797	1.0E-03 H96471.1
Most Similar (Top) Hit BLAST E	\_ Name		2.0E-03 P24824	2.0E-03 P48982	2.0E-03 P48982	2.0E-03	2.0E-03	2.0E-03	2.0E-03	2.0E-03	2.0E-03	2.0E-03	2.0E-03	2.0E-03 P07354	2.0E-03	2.0E-03	2.0F-03	20E-03		. 2.0E-03	2.0E-03	2.0E-03	2.0E-03	2.0E-03		2.0E-03		2.0E-03	20E-03	2.0E-03 P04797	1.0E-03
Expression Signal			3.34	1.02	1.02	0.65	0.65	16:0	6.44	0.45	0.43	0.43	24	22	1.87	10.47	280	241		1.75	11.57	2.03	1.83	1.33		1.55		1.0	1.95	1.44	1.72
ORF SEQ ID NO:			36/00	L		36470	36480	36684		37200	37401			34188		38342		38623		38627			31777								28444
Exan SEQ ID			22737	22963	22853	23008	23008	23200	23324	23702	23889	23889	24308	20821	24752	24758	25026	25042		25057	18349	25932	25273	25341		25795		25445	L	_	L
Probe SEQ ID			9046	10028	10026	10081	10081	10275	10402	10781	10969	10969	11356	11817	11870	11876	7480	12/97		12220	12241	12459	12550	12683		12710		12826	13002	13095	439

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	Top Hit Descriptor	Epstein-Barr virus (AG878 isolate) U2-IR2 domain encoding nuclear protein EBNA2, complete ods	601589841F1 NIH_MGC_7 Hamo sapiens aDNA dane IMAGE:3943954 5	COLLAGEN ALPHA 1(VII) CHAIN PRECURSOR (LONG-CHAIN COLLAGEN) (LC COLLAGEN)	y977n06.r1 Scares melancoyte 2NbHM Homo saplens cDNA clone IMAGE:270687 6' similar to contains element MER8 repositive element ;	y/07h08.r1 Soares meternocyte ZNbHM Homo sapiens cDNA clone IMAGE:270587 5' stmillar to contains element MER6 repotitive element;	ab65g12.s1 Strategene lung carcinoma 837218 Homo sapiens cDNA clone IMAGE:845734 3'	602068042F1 NIH_MGC_38 Hamo sepiens aDNA done IMAGE:4066907 5	Wouse molecin gene	601657519R1 NIH_MGC_68 Hamo sapiens cDNA clane IMACE:3875683 3'	Homo sepiens T-cell lymphome invesion and metastasis 1 (TIAM1), mRNA	yd33a11.r1 Soares fetai liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:115772 5	QV3-NN1024-260400-171-g05 NN1024 Hamo sepiens cDNA	Hamo sapiens DiGearge syndrome critical region, centramentc end	Human gene for fourth somatostatin receptor subtype	Hamo sepiens 969 ldo cantig between AML1 and CBR1 on chromosome 21q22, segment 2/3	Homo septiens X29 region near ALD tocus containing dual specificity phosphatase 9 (DUSP9), riboscomal protein (18s (RPL18a), Ca24/Catmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR).	CDM protein (CDM), adrenoleukodystrophy protein >	Human TRPM-2 protein gene, excris 1,2 and 3	601491081F1 NIH_MGC_69 Hamo sapians cDNA done IMAGE:3893276 5	Hamo sapiens prolactin-releasing peptide receptor gene, 5' flanking region	Homo sepiens partial stearin-1 gene	2697c09.s1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:490768 3' similar to contains L1.11 L1 receitive element :	Homo sepiens excetoses-like protein 1 (EXTL-1) gene, exces 2 through 11, and complete cds	Raffus norvegicus plasma membrane Ca2+ ATPase Isoform 3 (PMCA3) gene, 5 flanking region	zh82e08.s1 Soares fetal Ilver_splean_1NFLS_S1 Homo sapiens cDNA ctone IMAGE:427810 3'	zh82e06.s1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens oDNA clone IMAGE:427810 3'	V.carteri gene encoding volvoxopsin	CM3-LT0079-170200-092-607 LT0079 Homo sapiens cDNA
	Top Hit Detabase Source	NT	<b>EST_HUMAN</b>	SWISSPROT	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	NT	EST_HUMAN	NT	EST_HUMAN	EST HUMAN	IN	N	NT		토	۲	<b>EST_HUMAN</b>	IN	LN.	EST HUMAN	Į.	¥	EST_HUMAN	EST_HUMAN	NT	EST HUMAN
Olamo Olamo	Top Hit Acession No.	(03332.1	1.0E-03 BE796491.1	202388	141974.1	441974.1	1.0E-03 AA773352.1	1.0E-03 BF541639.1	07699.1	1.0E-03 BE963939.2	11526176 NT	187761.1	1.0E-03 AW902585.1	.77570.1	16826.1	1.0E-03 AJ229042.1		J52111.2	M63378.1	1.0E-03 BE880044.1	1.0E-03 AF274581.1	1.0E-03 AJ251973.1	4 OF 03 AA122270 1	1.0E-03 AF153980.1	1.0E-03 U28397.1	1.0E-03 AA001613.1	1.0E-03 AA001613.1	1.0E-03 Y11204.1	1.0E-03 AW840353.1
	Most Similar (Top) Hit BLAST E Veitue	1.0E-03 K03332.1	1.0E-03	1.0E-03 Q02388	1.0E-03 N41974.1	1.0E-03 N41974.1	1.0E-03/	1.0E-03	1.0E-03 X07699.1	1.0E-03	1.0E-03	1.0E-03 T87761.1	1.0E-03	1.0E-03 L77570.1	1.0E-03 D16826.1	1.0E-03 /		1.0E-03 U52111.2	1.0E-03 M63378.1	1.0E-03	1.0E-03 /	1.0E-03 /	4 05-03	1.0E-03/	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03
	Expression Signal	1.77	0.83	1.78	0.7	0.7	0.56	0.52	2.67	1.06	8.39	1.05	1.69	1.18	2.43	238		1.74	3.18	0.87	0.55	5.32	- 5	242	0.7	0.63	0.53	1.37	0.6
	ORF SEQ ID NO:	31566	31916		31988					32485		32781		33266	33678			34228	34305	34364		34683	24880						36718
	SEQ EN	18629	18748	18754		1	19079	19101	19213	19252	19387	19633	19610	18970	20329	20685		20844	•		21190	21251	24.454	1			21907		22286
ŀ	Page SEQ ID NO:	3	S	2658	5716	5716	8	8018	6136	6177	8316	8468	8548	8918	7359	82,2		7907	18	8883	ম	8283	8	3 8	8773	졅	288	888	<b>882</b> 4

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Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO:	Exam SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Strailar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
9495	22300		0.65		1.0E-03 U62111.2	Į,	Homo septiens X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal protein L18a (RPL18a), Ca2+/Calmodulin-dependent protein luinase I (CAMKU), creatine transporter (CRTR), CDM protein (CDM), adrendeulodystrophy protein >
9474		35877				N.	Human class III alcohol dehydrogenase (ADH5) ohi subunit mPNA, complete cds
9474	L		3.71	1.0E-03	1.0E-03 M30471.1	NT.	Human class III alcohol dehydrogenase (ADH5) chi subunit mPNA, complete cds
8968			0.45		1.0E-03 AI247482.1	EST_HUMAN	qh56d01x1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1848673 3' sûniter to gb.M87388 TATA-BINDING PROTEIN-ASSOCIATED PHOSPHOPROTEIN (HUMAN);
9966		36354					Thermotoga neapolitana alpha-1,6-galactosidase (aglA) gene, complete cds
8988	L		1.77	1.0E-03	1.0E-03 AF011400.1	IN	Thermotoga neapolitana alpha-1,6-galactosidase (agA) gene, complete cds
10179	L		0.8		Q01128	SWISSPROT	BONE PROTEOGLYCAN II PRECURSOR (PG-S2) (DECORIN) (PG40) (DERMATAN SULFATE PROTEOGLYCAN-II) (DSPG)
10524			1.55		29.1	١	Homo saptens glypican 3 (GPC3) gene, partial cds and flanking repeat regions
10529		ŀ			1.0E-03 AF097485.1	¥	Homo sepiens transduch beta-like 2 (TBL2) gene, complete cds
	Ι.						ov75f08.x1 Sogres_testis_NHT Homo sepiens cDNA dane IMAGE:1643175 3' similar to contains MER39.b1
10679	23801	37096	1.12		1.0E-03 AI024350.1	EST_HUMAN	MER39 MER39 repetitive element;
11025	L	37516	1.65	_	1.0E-03 AW362303.1	EST_HUMAN	RC1-CT0279-181099-011-e09 CT0279 Homo sapiens cDNA
11025	23990		1.65		1.0E-03 AW362393.1	<b>EST_HUMAN</b>	RC1-CT0279-181089-011-a09 CT0279 Homo sapiens cDNA
11102	L			_	1.0E-03 BE170859.1	<b>EST_HUMAN</b>	QV3-HT0543-220300-130-e03 HT0543 Homo septems aDNA
	L						tt73e12.x1 NCI_CGAP_HSC3 Homo sapiens cDNA clone IMAGE:22464463' similar to TR:028195 Q28195
11172	24129		22	1.0E-03	1.0E-03 AI583847.1	EST_HUMAN	PVA1 GENE.;
11491	L		2.59		1.0E-03 AV759949.1	EST_HUMAN	AV759849 MDS Homo sepiens cDNA clone MDSDDF11 5
							zk97c09.s1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:480768 3' stmilar to
11062	24598	38171	6.18		1.0E-03 AA122270.1	EST_HUMAN	contains L1.t1 L1 repetitive element;
12178		38621	6.74		1.0E-03 BE894488.1	EST_HUMAN	801433087F1 NIH_MGC_72 Hamo septens aDNA clane IMAGE:3918524 6"
							toGh11x1 NCI_CGAP_Co16 Homo sapiens cDNA clone IMAGE:2063013 3' similar to contains Alu
12853	28915		1.53		1.0E-03 AI347355.1	EST_HUMAN	repetitive element;
12753		31311	7.37		1.0E-03 BE7805721	EST_HUMAN	801488878F1 NH-LMGC_67 Homo sapiens aDNA done IMAGE:3872035 5
5785	L		1.76	9.0E-04 P06727	P06727	SWISSPROT	APOLIPOPROTEIN A-IV PRECURSOR (APO-AIV)
6388	L		0.81	9.0E-04	9.0E-04 AJ006345.1	Į.	Homo sepiens KVLQT1 gene
8833	L	32970	1.08		P02381	SWISSPROT	MITOCHONDRIAL RIBOSOMAL PROTEIN VAR1
10001	L				9.0E-04 AB037203.1	Į.	Glycynhiza glabra OgbAS1 mRNA for beta-emyrin synthase, complete cds
1484	上		1.04		8.0E-04 X98469.1	N	X lasvis mRNA for CASR protein
3939		28894			8.0E-04 R07008.1	EST_HUMAN	yf12h10_r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:128891 5
4209					P08547	SWISSPROT	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG

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ngie Exon Probes Expressed in Borie Mairow	Top Hit Descriptor	Homo sapiens prion protein (PrP) gene, complete cds	z/24c10.s1 Scares_feta  heart_NbHH19W Homo sapiens cDNA clone IMAGE:377874.3'	In85a08.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:2/16310 3'	Homo sapiens CYP17 gene, 6' end	Homo sapiens prion protein (P.P.) gene, complete cds	Homo sapiens chromosome 21 segment HS21C010	Homo sapiens chromosome X open reading frame 6 (CXORF6) mRNA	ng85g12.s1 NCI_CGAP_LIp2 Homo septens cDNA clone IMAGE:939718 similar to contains L1.b3 L1 L1 repetitive element ;	wg36f09.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo saplens cDNA clone IMAGE:2367209 3'	Homo sapiens mRNA for FLJ00035 protein, partial cds	BONE MORPHOGENETIC PROTEIN 1 PRECURSOR (BMP-1)	BONE MORPHOGENETIC PROTEIN 1 PRECURSOR (BMP-1)	Homo sepiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomel protein [L44L] and FTP3 (FTP3) genes, complete cds	HSC28A072 normalized infant brain cDNA Homo sepiens cDNA clone c-28a07 3'	yg13c06.r1 Soares Infant brain 1NIB Homo saptens cDNA clone IMAGE:32298 5	Homo sepiens Retine-derived POU-domain factor-1 (RPF-1), mRNA	602013339F1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4149297 5'	W)16a11 x1 NCI_CGAP_Kid12 Homo saplens cDNA done IMAGE:2402876 3'	Homo sapiens CCR8 chemokine receptor (CMKBR8) gene, complete ods	HYPOTHETICAL PROTEIN KIAA0032	GLUCOSE TRANSPORTER TYPE 5, SMALL INTESTINE (FRUCTOSE TRANSPORTER)	y84c11.s1 Scares_pineal_gland_N3HPG Homo sapiens cDNA clone IMAGE:231856 3' similar to contains 1 DD1 modifice along the	DKEZNESSAM2024 - 1 588 (smonum: hute1) Homo seniens cDNA clone DKFZo588M2024	RC2-BN0120-250400-012-h11 BN0120 Homo sepiens cDNA	Lyechinus variegatus embryonic blastocoelar extracellular matrix protein precursor (ECM3) mRNA, complete		Homo sapiens 959 kb contig between AML1 and CBR1 on chromosome 21q22, segment 2/3	UI-H-BIO-eath-e-09-0-UI.s1 NCI_CGAP_Sub1 Hamo sapiens cDNA clone IMAGE::2708825 3'	RC1-HT0269-261199-012-d08 HT0269 Homo septems cDNA	HYPOTHETICAL 29.3 KD PROTEIN (ORF92)	QV0-CT0225-021089-030-e07 CT0225 Homo sepiens cDNA
Xon Probes Exp	Top Hit Database Source	NT Hor	EST_HUMAN   ZZ	EST_HUMAN TOP	NT Hor	NT Hor			EST HUMAN rep	Г	NT Hor	SWISSPROT BO	SWISSPROT BO	PH 43)	EST HUMAN HS	EST_HUMAN yg1		EST_HUMAN 602	EST_HUMAN WIT			SWISSPROT GL	ØV NAMIL TOTAL		Т	1	NT	OH IN	EST_HUMAN UH	П	$\neg$	EST_HUMAN QV
	Top Hit Acession No.	8.0E-04 U29185.1	8.0E-04 AA777084.1	8.0E-04 AI571099.1		7.0E-04 U29185.1	7.0E-04 AL163210.2	4885170 NT	7.0E-04 AA516212.1					-			6005855 NT	6.0E-04 BF341380.1		6.0E-04 U45983.1				0.0E-04 INVAMA 1.1			6.0E-04 AF287478.1	6.0E-04 AJ229042.1	.1	6.0E-04 AW380519.1		5.0E-04 AW851844.1
	Most Similar (Top) Hit BLAST E Value	8.0E-04	8.0E-04	8.0E-04	7.0E-04 L41825.1	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04	7.0E-04 P13497	7.0E-04 P13497	7.0E-04	7.0E-04	7.0E-04	7.0E-04	6.0E-04	8.0E-04	6.0E-04	6.0E-04 Q15034	6.0E-04 P46408	70.00	9.05-04	A 0 E 0 A	100	6.0E-04	6.0E-04	6.0E-04	6.0E-04	5.0E-04 O10341	5.0E-04
	Expression Signal	2.7	2.01	2.02	1.17	1.01	12	1.13	1.02	23	0.78	0.48	0.48	. 7	2.41	1.4	3.97	1.03	1.78	3.15	0.59	3.16		8 6	2.68	2.10	0.65	2.11	3.12	6.73	8.71	1.88
	ORF SEQ ID NO:	90708		-	27868	28439	28737	29266	32522			36565	36568		38392				29935	30128	34158	_		+	00000	7000		38280	38360		26640	
	SEQ ID NO:	17815	24423	24565	14870	L	15720			l	20405	23088	23088	24773	24801	25497	25527		1	ı	20778	21168			20000	7	23628	1_	L			14534
	Probe SEQ ID NO:	4798	11480	11627	<del>184</del>	2408	27.28	3283	6245	6882	7438	19183	<u>수</u>	11892	11920	12921	12952	2706	3084	4214	7830	8488		A 5	8000	2	10704	11814	11893	12364	652	1501

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Single Exult Flores Expressed in Doile Imagican	Most Stintiar  Expression (Top) Hit Top Hit Acession Catheres No. Source	1.28 5.0E-04 AA548931.1 EST_HUMAN		2.37 5.0E-04 AF248054.1 NT		10.72 5.0E-04 M23604.1 NT	4.85 5.0E-04 AI188382.1 EST_HUMAN	0.92 5.0E-04 AA814619.1 EST HUMAN	1.57 5.0E-04 AA846545.1 EST_HUMAN	0.62 6.0E-04 N83766.1 EST_HUMAN	0.54 5.0E-04 P29128 SWISSPROT	4.55 5.0E-04 AW270838.1 EST_HUMAN	0.47 5.0E-04 U60871.1  NT	1.94 5.0E-04/AL048507.2 EST_HUMAN   DKFZp586M2024_11 598 (synonym: hute1) Homo sepiens cDNA clone DKFZp586M2024	10.81 6.0E-04 AF248054.1 NT	4.4 5.0E-04/AA598513.1 [EST_HUMAN   nf16h0Ze1 NCI_CGAP_Pr1 Homo captens cDNA clone IMAGE:913875	1.46 4.0E-04 U32748.1 NT	1.6 4.0E-04 AI720283.1 EST_HUMAN	as70b08.x1 Barstead colon HPLRB7 Homo septens cDNA clone IMAGE:2334039 3' stmilier to TR:Q13825 at a not one IMAGE:233403	2.76 4.0E-04 AW763366.1 EST HUMAN	1.57 4.0E-04 AL163278.2 NT	0.99 4.0E-04 AL046704.1 EST_HUMAN	1.66 4.0E-04 096615 SWISSPROT	0 1.8 4.0E-04 AF281074.1 INT Homo sapiens neuropilin 2 (NRP2) gene, complete cds, atternatively spiced
	ORF SEQ Expre	20304	29682	31588	33124	33924	34669	35036	36026	36207	36283	36358			31588		26685	26862	28862	27468	28133		28658	28450
	SEQ ID NO:	16472	16770	18646	19839			<u>i</u>			22829	L	23562	24270	l	25753	l l	<u>L</u>	L	L			15634	16233
	Probe SEQ ID NO:	3424	3728	5549	6784	7602	8289	8646	9632	9726	9876	8888	10640	11320	12022	12296	874	878	949	148	2082	2143	2835	3178

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Expression (Top) Hit Top Hit Acession Database Signal BLAST E No. Source	3.23 4.0E-04 AA576331.1 EST_HUMAN	3.23 4.0E-04 AA678331.1 EST_HUMAN	1.4 4.0E-04 AA086324.1 EST_HUMAN	4.37 4.0E-04 BE560860.1 EST_HUMAN	1.02 4.0E-04 AL163267.2 NT	1.28 4.0E-04 P48442 SWISSPROT	0.78 4.0E-04 AL161568.2 NT	0.56 4.0E-04 AU122079.1 EST_HUMAN	1.07 4.0E-04 BF240712.1 EST_HUMAN	1.56 4.0E-04 N25507.1   EST_HUMAN	3.11 4.0E-04 AI025699.1 EST_HUMAN	1.11 4.0E-04 AF022855.1 INT	4.0E-04 AF254822.1 NT	3.45 3.0E-04/AL119428.1 EST_HUMAN	1.65 3.0E-04 P49259 SWISSPROT	1.64 3.0E-04 U83091.1  NT	1.65 3.0E-04 AI262100:1 EST_HUMAN	1.43 3.0E-04 AI399674.1 EST_HUMAN	3.17 3.0E-04 P25147 SWISSPROT	2.72 3.0E-04 P49448 SWISSPROT	1.21 3.0E-04 AJZ71735.1  NT	3.0E-04 BE140609.1 EST_HUMAN	6.29 3.0E-04 BE163778.1 EST HUMAN PM0-HT0339-190200-007-912 HT0339 Homo septens cDNA	П	3.0E-04 AL163281.2 NT	1.62 3.0E-04 AL163278.2 NT	0.71 3.0E-04 AW893981.1 EST_HUMAN	0.77 3.0E-04 P23468 SWISSPROT	5.18 3.0E-04 P22607 SWISSPROT	77 -
	3.8	38	4.1	4.37	1.02	128	0.78	0.58	1.07	1.56	3.11	1.11	2.42	3.45	1.65	1.64	1.65	1.43	3.17	2.72	121	1.33	6.29	1.02	5.73	1.62	0.71	0.77	5.18	7
D ORF SEQ	78 30257					33806		34321			76 36442		20							L		83	7	88	88	19 33432				ļ
SEO ID NO:	17378	17378	17591		1682	L	L			1_	<u> </u>		25728	13260		13936	14882	14896	16371	17027			17871	L	L	_	L			
SEQ 10	155	4354	888	5124	6288	7483	7/80	7987	120	888	10049 649	10200	12684	157	197	8	1856	1871	3319	3987	980	4120	<b>485</b>	5248	Ø	88	7183	7847	8602	י וי

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Probe SEQ ID NO:	Een SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Defeberse Source	Top Hit Descriptor
10538	23460	36957	0.58	3.0E-04	3.0E-04 AI982139.1	EST_HUMAN	wt75411.x1 Scares_thymus_NHFTh Homo sepiens cDNA clone INAGE-25132763'
10825	23746	37247	7.72		3.0E-04 AA781201.1	EST_HUMAN	g/24g05.s1 Soeres_bestis_NHT Homo septens cDNA clone 1391288 3' similar to gb:M36072 60S RIBOSOMAL PROTEIN L7A (HUMAN);
12246	26957	31316	3.08	3.0E-04	3.0E-04 AA228301.1	EST HUMAN	nc38e04.rf NC_CGAP_Pr2 Homo sepiens cDNA clone IMAGE:1010430 similar to contains L1.22 L1 repositive element:
12823	1			3.0E-04		Z	Homo sapiens mRNA for KIAA0749 protein, partial cds
13014	25584		4.33	3.0E-04	3.0E-04 AL134483.1	EST_HUMAN	DKFZp547L185_r1 547 (synonym: hfbr1) Homo sapiens cDNA clone DKFZp547L185 57
177	13278	26204	1.28	2.0E-04	2.0E-04 AF217786.1	뒫	Home expiens SCG10 like-protein, helicase-like protein NHL, M88, and ADP-ribosylation factor related protein 1 (ARFRP1) genes, complete cds
479	13551	26479	3.55		2.0E-04 AU146707.1	EST HUMAN	AU146707 HEMBB1 Hamo septens cDNA clane HEMBB1001253 3'
88	13963	28919				NT	Human dystrophin gene
808	13963	28820	4.01	2.0E-04		N	Human dystrophin gene
1183	14224		2.52	2.0E-04	2.0E-04 AI286021.1	EST HUMAN	qh88e11.x1 Soares_NFL_T_GBC_S1 Hamo sepiens cDNA clane IMAGE:1855052 3' shnilar to contains MER3.b2 MER3 repetitive element;
1188	14230		2.5	205-04		K	Hamo sepiens chromosome 21 segment HS21C003
1849	14875		1.19	20E-04		Į,	Mus muscutus 5' flanking region of Pib.3 gene
292	15209		1.03	20E-04	_	EST_HUMAN	2J38b05.s1 Soares overy turner NIDHOT Homo sepiens cDNA clone IMAGE:740337 3's similar to conteins Alu repetitive element,
							Human gamiline T-cail raceptor beta chain TCRBV17S1A1T, TCRBV2S1, TCRBV10S1P, TCRBV29S1P, TCRBV19S1P, TCRBV19S1P, TCRBV14S1,
2381	15582	28801	4.05	2.0E-04		M	TCRBV3S1, TCRBV4S1A1T, TRY4, TRY5, TRY6, TRY7, TRY8, TCRBD1, TCRBJ1S1, TCRBJ1S2>
3000	16058	28977	1.13	2.0E-04		EST_HUMAN	em58c09.x1 Johnston frontal cortex Homo sapiens cDNA clone IMAGE:1539760 3*
3440	16496	20413	2.44	2.0E-04	_	EST_HUMAN	QV2-BT0638-070500-194-b07 BT0636 Homo sapiens cDNA
3837	16972	28888	121	20E-04,	<u>:</u>	EST_HUMAN	EST390550 MAGE resequences, MAGP Homo septens cDNA
4167	17198		5.41	20E-04		L.	Phasedus vulgaris nitrate reductase (PVNR2) gene, complete cds
4696	17717	30612	1.21	20E-04		EST_HUMAN	yu01e11.r1 Soares_pineal_gland_N3HPG Homo sapiens cDNA clone IMAGE:232556 5
4696	17717	30613	1.21	2.0E-04	2.0E-04 H98285.1	EST_HUMAN	yu01e11.r1 Scares_pineal_gland_N3HPG Homo sapiens cDNA clone IMAGE:232556 5
4834	17851		1.46	20E-04	20E-04 U09228.1	M	Callus gallus proteasome 28 kDa subunit homotog mRNA, complete cds
0205	18080	3090	7	2 OF-04	2 0F-04 H85683 1	FST HUMAN	ys88b08.r1 Soares refina N2b4HR Homo sapiens cDNA clone IMAGE:219027 5' similar to contains L1 receditive element:
8008	18108	30881	1.85	20E-04/	2	L	Danio rerio hagoromo gene, exons 1 to 6, partial cds
5823	18719	31878	123	2.0E-04		EST_HUMAN	AV664352 GLC Hamo sepiens aDNA dane GLCDUH10 3'
5636	18732	31894	1.78	20E-04		EST_HUMAN	tq03b11x1 NCI_CGAP_Ut3 Homo sepierts dDNA done IMAGE:2207709 3'

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ngie Exon Probes Expressed in Doire Mariow	Top Hit Descriptor	EST11191 Uterus Homo septens cDNA 5' end similar to EST containing O family repeat	Homo septens cell cycle progression 3 protein (UNJ3) mirthy	Mus musculus G protein coupled receptor gene, complete cas, and univiowin gene	AU121712 MAMIMAT Hamo sapiens alina ciche Mammatuuu/35 5	QVO-CT0387-180300-167-eft C10387 Home septens culture	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	MYOMESIN 2 (M-PROTEIN) (165 KD TITIN-ASSOCIATED PROTEIN) (165 KD CONNECTIN- ASSOCIATED PROTEIN)	DKFZp434L2023_r1 434 (synonym: https://doi.org/piens.cu/NA.come.DKr.Zp434L2023_p	DKFZp434L2023_r1 434 (synonym: https://dyno.sapiens.ci/DNA.ctore.DKF-zp434L2023.o	Solanum lycoparstoum physichrome F (PHYF) gene, partial cos	Solanum lycopersicum phytochrome F (PHYF) gene, partial cos	Homo septens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	Homo explens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	campicae cas)	Homo sepiens FRA3B common fragile region, diadenosine triphosphate hydrolese (FHIT) gene, exon 5	Human immunoglobulin C(mu) and C(delta) heavy chain garies (consumit regions)	aizzatz.st Soares_testis_NHT Homo sapiens cONA clone 1343518 3	GASTRULA ZINC FINGER PROTEIN ALCGIZACI	RC3-HT0254-151089-011-505 H10254 HOMD Supperts CLINA	ZIGRETT. T Sogres tests NHT Hamp sapiens CLINA Gario IMACE. 142504.5	AV/303/3 HIF Home septems autha action in Avvail 5	Homo espiens parae b-HI 4 receptor gene, exuras z to 3	1011111X1 NC_CGAP_G884 Hamo septens admis (1904) (1904) Sentited to contents that reported information	UI-H-BI1-edm-c-04-0-UI.s1 NCI_CGAP_Sub3 Homo sepiens cDNA clone IMAGE:2717190 3'	yz26c09.s1 Scares melanccyte ZNbHM Homo sapions cDNA clone IMAGE:282884 3' stmilar to confeins	r	PERICENTRIN		UI-H-BIO-eab-e-09-0-UI.s1 NCI_CGAP_Sub1 Hamo saplens cDNA clone IMAGE:2708825 3
Exon Probes	Top Hit Datebase Source	EST_HUMAN	M	노	EST_HUMAN	EST_HUMAN	SWISSPROT	SWISSPROT	<b>EST HUMAN</b>	<b>EST_HUMAN</b>	M	IN	¥	!	Z	Ā	NT	EST HUMAN	SWISSPROT	EST HUMAN	EST_HUMAN	EST HUMAN	Z.	ECT LINAN	FST HUMAN		EST_HUMAN	SWISSPROT	SWISSPROT	EST_HUMAN
Single	Top Hit Acession No.	2.0E-04 AA296652.1	4758179 NT	2.0E-04 AF140708.1	2.0E-04 AU121712.1	AW860963.1	2.0E-04 P08548	P54298	2.0E-04 ALO43272.2	2.0E-04 AL043272.2	2.0E-04 U32444.2	2.0E-04 U32444.2	2 0E-04 AB026898.1		2.0E-04 AB026898.1	2.0E-04 AF020603.1	2.0E-04 X57331.1	2.0E-04 AA725700.1	2.0E-04 P18715	2.0E-04 BE148303.1	2.0E-04 AA405777.1	2.0E-04 AV730373.1	2.0E-04 AJ243213.1	41440000 4	2.0E-04 AJ440262.1		1.0E-04 H99846.1	1.0E-04 P48725	1.0E-04 P11389	1.0E-04 AWO13847.1
	Most Similar (Top) Hit BLAST E Value	20E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04 P54298	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04		2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	100	SOE OF		1.0E-04	1.0E-04	1.05-04	1.0E-04
	Expression	1.15	0.88	9.0	254	0.61	15.1	124	0.63	0.53	213	213	124		1.21	1.9	0.58	0.51	0.66	121	2.74	3.56	2.59		200	2.77	0.81	203		
	ORF SEQ ID NO:	32417	32340	32678				34215	34508	34509	34687	34688	36045		35016	35303	35486	38100	36170	36735	36776	37683			38136		28771			27110
	Exan SEQ ID NO:	18933	19/38	19435	20407	50902	20826	20836	21109	21100	21257	21257	2 8 8 8 8		21595	21877	22081	22642	22715			24152	24451	l		20047	13827	L		
	Probe SEQ ID NO:	5843	8057	8368	7440	3,48	7882	7892	8470	8,1%	8288	8288	li de	3	8627	8941	500	898	9774	10834	10377	11197	11510		11636	8	- 2	8	£078	1116

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Probe SEQ ID No:	SEQ ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E	Top Hit Acession No.	Top Hit Databese Source	Top Hit Descriptor
1116	14160	27111	4.21	1.0E-04	1.0E-04 AW013847.1	EST_HUMAN	UIH-BIO-eab-e-09-0-UI.s1 NCI_CGAP_Sub1 Home septems cDNA ctone IMAGE:2708825 3
1335	14369		3.08		1.0E-04 U62918.1	NT	Anguilla anguilla dopamine D1A1 receptor (d1A1) gene, complete ods
							Kaposi's sercome-associated herpesvirus ORF 68 gene, partial ods; and ORF 69, kaposin, w-R.I.P., wcyclin,
							latent nuclear antigen, ORF K14, v-GPCR, putative phosphoribosyfromnydyonamidine synthese, and LAMP
1632	14685	27840	3.19		1.0E-04 AF148805.1	攴	(LAMP) genes, complete cds
							Kaposi's sarcome associated herpesvirus ORF 68 gene, partial ods; and ORF 69, kaposin, v-FLIP, v-cyclin,
1632	14665	27841	3.19		1.0E-04 AF148805.1	Ż	(LAMP) genes, complete de
1878	14803				1.0E-04 AB048342.1	¥	Equus caballus DNA, chromosome 24q14, microsatellite TKY36
2698	15894				1.0E-04 BE218833.1	EST_HUMAN	hw45c08.x1 NCI_CGAP_Lu24 Homo septens cDNA clone IMACE:3176368 3'
2608	15694				1.0E-04 BE218833.1	EST_HUMAN	hw45c08.x1 NCI_CGAP_Lu24 Homo septens cDNA clone IMAGE:3176366 31
3297	16350		1.14	1.0E-04	1.0E-04 Q62203	SWISSPROT	SPLICEOSOME ASSOCIATED PROTEIN 62 (SAP 62) (SPLICING FACTOR 3A SUBUNIT 2) (SF3A68)
							#01f11x1 NCI_CGAP_Gas4 Homo septens cDNA clone IMAGE:2140269 3' similar to contains Alu repetitive
3748	16790	29702	0.93		1.0E-04 AM40282.1	EST_HUMAN	element,
4089	17123	30017	2.07	1.0E-04	1.0E-04 M14042.1	NT	Wouse alpha 1 type-IV collegen mRNA
4109	17143	30037	<u>\$</u>	1.0E-04	1.0E-04 AV647727.1	EST_HUMAN	AV847727 GLC Hamo sapiens cDNA dane GLCBBD043'
5132	18141	31019	1.87	1.0E-04		NT.	Homo sapiens KIAA0237 gene product (KIAA0237), mRNA
5132	18141	31020	1.87	1.0E-04	7682015	IN	Homo sepiens KIAA0237 gene product (KIAA0237), mRNA
5137	18148	31026	0.92		1.0E-04 AB57156.1	EST_HUMAN	qu62h04.x1 NCI_CGAP_GC4 Homo septems cDNA clone IMAGE:20069753
2080	19045		1.19	1.0E-04 P08547	P08547	SWISSPROT	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG
8033	19118	32319	0.52		1.0E-04 T19815.1	EST_HUMAN	75SF Heart Homo sapiens cDNA clone 753
8838	19118	32320	0.52		1.0E-04 T1981&1	EST_HUMAN	753F Heart Homo sapiens cDNA clone 753
6229	19639		6.0		1.0E-04 AA177111.1	EST_HUMAN	no02e12.s1 NCI_CGAP_Pr3 Hamo septems cDNA clame IMAGE:262
2042	20138	9972	990		1.0E-04 AA584561.1	EST HUMAN	n <sub>I</sub> Z5e04.s1 NCL_CGAP_AA1 Homo septens cDNA clone IMAGE:883486 3° straiter to gic.M97.252 KALLMANN SYNDROME PROTEIN PRECURSOR (HUMAN); contains Alu repetitive element,
7392	203871				1.0E-04 AI251980.1	EST HUMAN	qv67d10.x1 NCI_CGAP_Ov32 Homo sapiens cDNA clone IMAGE:1985683 3'
1282	20361	33713			1.0E-04 AI251980.1	EST_HUMAN	qv57d10.x1 NCI_CGAP_Ov62 Hamo septens cDNA clane IMAGE:1985683.3'
828	21287	34712			1.0E-04 AA830453.1	EST_HUMAN	ab94g08.s1 Strategene lung (#837210) Homo septems cDNA clone IMAGE:854654 3'
Z696	22845				1.0E-04 AI806220.1	EST HUMAN	wf20e08x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE_2356742 31
9783	22656		1.47		1.0E-04 O88969	SWISSPROT	CYSTATIN-RELATED EPIDIDYMAL SPERMATOGENIC PROTEIN PRECURSOR (CYSTATIN 8)
9780	12722		න.0		177163	EST_HUMAN	yd72c08.rf Soares fetal liver spleen 1NPLS Homo saplens cDNA cione IMAGE:113774 5
10004	22831	36394	1.89		10863876 NT	¥	Homo sepiens phospholipid scramblase 1 (PLSCR1), mRNA
10539					1.0E-04 P08547	SWISSPROT	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG
10576	23498	36990	0.91		1.0E-04 P08548	SWISSPROT	UNE-1 REVERSE TRANSCRIPTASE HOMOLOG

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Top Hit Descriptor	Vicuse alpha leukooye interferon gene, complete cds	Homo saplens mRNA for KIAA1142 protein, partial cds	xv40g12.x1 Soares_NFL_T_GBC_S1 Hamo sapiens cDNA clane IMAGE:2816518 3'	NEURONAL-GLIAL CELL ADHESION MOLECULE PRECURSOR (NG-CAM)	NEURONAL-GLAL CELL ADHESION MOLECULE PRECURSOR (NG-CAM)	723e10.x1 NCI_CGAP_CLL1 Homo sepiens cDNA clone IMAGE:3296058 3' similar to contains L1.t3 L1	INDICATE GRAINGING ;	TWA-NINGER-180/UC-UP-11 INVOICE INGINE SECTION	and Scriss Seares lestis NHT Hamo septems a UNA arme 1292468 3	QV4-SN0023-070400-168-b04 SN0023 Homo sepiens cDNA	PROLYL 4-HYDROXYLASE ALPHA-2 SUBUNIT PRECURSOR	UHHBI1-aer-4-05-0-UI.s1 NCI_CGAP_Sub3 Hamo sepiens cDNA clane IMAGE:2720289 3*	UHHBI1-ear-d-05-0-UI.s1 NCI_CGAP_Sub3 Hamo sapiens cDNA clone IMAGE:2720289 3"	Homo sapiens gene for cholecystaldnin type-A receptor, complete cds	Homo sepiens methyl-CpG binding protein 1 (MBD1) gene, exan 15b	xs34g06.x1 NCI_CGAP_Br18 Homo sapiens cDNA clone IMAGE:2568728 3' similar to contains L1.12.L1	repolitive element;	PROLYL 4-HYDROXYLASE ALPHA-2 SUBUNIT PRECURSOR	Homo septiens MSH55 gene, partial ods; and CLIC1, DDAH, G6b, G6c, G6b, G6d, G8e, G6f, BAT5, G5b, CSK2B, BAT4, G4, Apo M, BAT3, BAT2, AlF-1, 1C7, LST-1, LTB, TNF, and LTA genes, complete ods	Pisum sativum mRNA for beta-1,3 glucenase (gns2 gene)	Pisum sativum mRNA for beta-1,3 glucanasa (gns2 gana)	Human platelet-derived growth factor A chain (PDGFA) gone, exons only	wy78a04.x1 Soares_NSF_FB_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:2554638 3'	Mus musculus gene for hexoldnase II, exon 1 (and joined CDS)	Human haptoglobin and haptoglobin-related protein (HP and HPR) genes, complete cds	25881101.s1 NCI_CGAP_GCB1 Hamo septens cDNA dane IMAGE:704583 3' similiar to contains Atu	repetitive element; contains element MSR1 repetitive element;	RC3-CT0208-220889-011-E04 CT0208 Homo sapiens cDNA	RC3-CT0208-220889-011-E04 CT0208 Hamo saplens cDNA	HUM072014F Human foves cDNA Homo sapiens cDNA clone EST HFD072014	HUM072014F Human fovea cDNA Homo sapiens cDNA done EST HFD072014
Top Hit Databese Source	NT	K	EST_HUMAN	SWISSPROT	SWISSPROT		EST HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	SWISSPROT	EST_HUMAN	EST_HUMAN	¥	NT.		EST HUMAN	SWISSPROT	Į.	¥	Į,	TN	EST_HUMAN	NT	٦		EST HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN
Top Hit Acession No.	1.0E-04 M28587.1	1.0E-04 AB032968.1	1.0E-04 AW269061.1	203696	203696	-	1.0E-04 BE676399.1	1.0E-04 BE700353.1	9.0E-05 AA718933.1	9.0E-05 AW868218.1	260716	9.0E-05 AW204958.1	9.0E-05 AW204958.1	9.0E-05 D85606.1	9.0E-05 AF120982.1		9.0E-05 AW073078.1	260716	9.0E-05 AF129768.1	8.0E-05 AJ261648.1	8.0E-05 AJ251648.1	8.0E-05 M83575.1	8.0E-05 AW044605.1	8.0E-05 Y11606.1	8.0E-05 M69197.1		8.0E-05 AAZ79333.1	7.0E-05 AW847445.1	7.0E-05 AW847445.1	7.0E-05 L49075.1	7.0E-05 L49075.1
Most Similar (Top) Hit BLAST E Value	1.0E-04	1.0E-04/	1.05-04	1.0E-04 Q03696	1.0E-04 Q03696		1.05-04	1.0E-04	9.0E-05	9.0E-05	9.0E-05 Q60716	9.0E-05	9.0E-05	9.0E-05	9.0E-05		9.0E-05	9.0E-05 Q60716	9.0E-05/	8.0E-05	8.0E-05	8.0E-05	8.0E-05	8.0E-05	805-05		8.0E-05	7.0E-05	7.0E-05	7.0E-05	7.0E-05
Expression Signal	1.74	1.5	1.46	1.81	1.81		24	1.38	2.39	1.09	1.58	0.67	0.67	2.89	3.13		2.03	3.21	3,02	5.7	7.38	16°0	0.87	0.48	3.06	*	2.74	6.11	6.11	1	1
ORF SEQ ID NO:		38433		l	38503				28683			34153			36137		37864			28831			30415	35463				26358	26359		26554
Exam SEQ ID NO:	24603	24840						25597	13761	15041	19155	20776	207705	22680	22682		24415		25832	1	13921	16019	17532	22067	L	L	25815	13436	13436		13639
Probe SEQ ID NO:	11687	11961	11989	12032	12032		12413	13061	689	2020	8074	7828	7828	15883	8833		11472	11938	12465	823	88	286	4507	9101	11485		13050	347	347	269	699

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Top Hit Descriptor	hB7a03 x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMACE:2974444 3'	y59408.s1 Sogres placenta NbZHP Homo sepiens cDNA clone IMAGE:143535 3' similar to contains Alu	repeative element, contains L. I.K./ repeative element,	설등당한2년 Scares_pregmant_uterus_NbHPU Homo sepiens cDNA clone IMAGE:487035 67	MRO-NT0038-250400-001-f09 NT0038 Homo sepiens cDNA	QV4-ST0234-241189-040-h11 ST0234 Hamo septems cDNA	Homo expiens 22/Da percedsomal membrane protein-like (LOC55895), mRNA	Homo sapiens partial SLC22A3 gene for extraneuronal monoamine transporter (EMT), excn 1	Human M.I. Ctemb gene for embryonic myosin alkaline light chain, 3UTR	AV653544 GLC Hamo sapiens cDNA done GLCDMA06 3'	Homo septens TESTIN 2 and TESTIN 3 genes, complete cds, alternatively spiloed	Mus musculus gene for calvetinin, excn 1	RETINAL-BINDING PROTEIN (RALBP)	RETINAL-BINDING PROTEIN (RALBP)	Human renin (REN) gene, 5' flanking region	RETINAL-BINDING PROTEIN (RALBP)	RETINAL-BINDING PROTEIN (RALBP)	Cryptosportdium parvum isolate Zaire 15 kDa glycoprotein gp15 gene, partial cds	Macaca mulatta haptoglobin (HP) gene, 5 region	Homo sapiens PP1200 mRNA, complete cds	RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE ; ENDONUCLEASE]	BETA-GALACTOSIDASE PRECURSOR (LACTASE) (ACID BETA-GALACTOSIDASE)	ht36c07.xt Scares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2874980 3' stmillar to contains	element MIR repetitive element ;	XXX8009,X1 Sogres_NFL_T_GBC_S1 Homo captene cDNA clone IMAGE:2605192 3'	zw1e11.s1 NCI_CGAP_GCB1 Hamo sapiens cDNA clane IMAGE:7462523'	qr64c10.x1 Soeres_fetal_iner_spleen_1NFLS_S1 Homo sepiens cDNA clone IMAGE:1848458 3' shrifer to	contains Alu repetitive element/contains element KER repetitive element;	xx24gc3.x1 Soares_NFL_T_GBC_S1 Hamo sapiens cDNA clane IMAGE:2814100 3"	601461463F1 NIH_MGC_66 Hamo sapiens cDNA done IMAGE:3865142 5	601461463F1 NIH_MGC_68 Hamo sapiens cDNA clone IMAGE:3865142 5	PM1+HT0521-120200-001-e10 HT0521 Homo septens cDNA	PM1+IT0521-120200-001-e10 HT0521 Homo sapiens cDNA
Top Hit Database Source	EST_HUMAN		٦	EST HUMAN	EST_HUMAN	EST_HUMAN	NT	TN	NT	EST_HUMAN	IN	NT	SWISSPROT	SWISSPROT	TN	SWISSPROT	SWISSPROT	Į.	¥	Ä	SWISSPROT	SWISSPROT		EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	6.0E-05 AW6Z7985.1		6.0E-05 R75639.1	8.0E-05 AA044015.1	6.0E-05 AW890110.1	5.0E-05 AW392086.1	TN 1685288	5.0E-05 AJ251884.1	5.0E-05 X58855.1	5.0E-05 AV653544.1	5.0E-05 AF280225.1	5.0E-05 AB037964.1	P49183	P49183	4.0E-05 U12821.1	P49193	P49193	4.0E-05 AF184488.1	4.0E-05 U01947.1	4.0E-05 AF202635.1	P11369	P23780		4.0E-05 AW627948.1	4.0E-05 AW117580.1	4.0E-05 AA417758.1		3.0E-05 A1248061.1	3.0E-05 AW273851.1	3.0E-05 BF037898.1	3.0E-05 BF037898.1	3.0E-05 BE169211.1	3.0E-05 BE169211.1
Most Similer (Top) Hit BLAST E Vatue	6.0E-05		6.0E-05	8.0E-05	8.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05 P49183	5.0E-05 P49193	4.0E-05	4.0E-05 P49193	4.0E-05 P49183	4.0E-05	4.0E-05	4.0E-05	4.0E-05 P11369	4.0E-05 P23780		4.0E-05	4.0E-05	4.0E-05		3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05
Expression Signal	0.71		227	2.71	16.08	16.34	1.15	3.54	11.74	3.22	0.84	1.18	5.88	4.8	4.95	1.68	1.68	0.89	0.71	8.43	0.51	0.68		3.94	248	2.28		0.78	1.89	0.82	0.82	8.15	8.15
ORF SEQ ID NO:	36477		37584	38316	31529	27404		28951								30416	30417		33368		36780			37604				28671			27126		
 εΩ.	23008		24060	24730	25813	4438	4 5 5 5	17043	18699	19186	19364	20516	25371	25371	13320	17533	17633	17827	20060	22834	23283	23602		24080	28182	25612		13744	14107	14178	14178	17437	17437
SEQ ID	10079		11100 2	11847 2	L		L		1	9107	1	7553		12717	Ľ		4508	4910	7127	1988	10380	Į.	L	1128	12423	13081	L	8	1061	1133	1133	4409	4409

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		ļ					
Probe SEQ ID NO:	Exam SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Defabese Source	Top Hit Descriptor
4483	17518	30405	2.41	3.0E-05	3.0E-05 AA368679.1	EST_HUMAN	EST79996 Placenta I Homo septens cDNA similar to similar to p53-associated protein
4483	17518	30408	2.41	3.0E-05	3.0E-05 AA368679.1	EST_HUMAN	EST79896 Placenta I Homo sapiens cDNA similar to similar to p53-associated protein
4620	17841		2.0	3.0E-05	3.0E-05 AL163302.2	NT	Homo sepiens chromosome 21 segment HS21C102
2887	18733	31895	1.76	3.0E-05	11072102 NT	۲	Mus musculus myosin light chain 2, precursor lymphocyte-specific (Mylc2pl), mRNA
P200	1001	33287	1.18	3.0E-05	3.0E-05 AJ225782.1	Ŋ	Homo saplens SYBL1 gene, excris 6-8
6024		33788	1.18		3.0E-05 A.1225782.1	7	Homo sapiens SYBL1 gene, excris 6-8
8230	24199	34606	2.48		3.0E-05 BE733157.1	EST HUMAN	601667451F1 NIH_MGC_21 Home sepiens cDNA clone IMAGE:3842202 6
8885	L_				3.0E-05 AA284049.1	<b>EST_HUMAN</b>	zs60b05.s1 Strategene schizo brain S11 Homo sepiens cDNA clone IMAGE:701841 3"
9244	_	35641	1.54		AW7709	EST_HUMAN	hB4e08.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3009638 3'
9248	22214		1.37	3.0E-05	6912431 NT	Į.	Homo sapiens interleukin-1 receptor entagonist homolog 1 (IL1HY1), mRNA
9252	22218	35649	0.59	3.0E-05 P43361	P43361	SWISSPROT	MELANOWA-ASSOCIATED ANTIGEN 8 (MAGE-8 ANTIGEN)
<b>9</b>	. 22450		0.51	3.0E-05	3.0E-05 X03273.1	NT	Human Atu-family cluster 5' of alpha(1) exid ghycoprotein gene
8875	L.,	38081	. 12	3.0E-05	3.0E-05 AA372562.1	EST_HUMAN	EST84476 Colon adenocarcinoma IV Homo sapiens cDNA 6' end
10021	22948		3.24		3.0E-05 Al769331.1	EST_HUMAN	wg36f09.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:2367209.3"
10901	23821	37330	0.80	3.0E-05	3.0E-05 Q62918	SWISSPROT	PROTEIN KINASE C-BINDING PROTEIN NELL2 PRECURSOR (NEL-LIKE PROTEIN 2)
10901	23821	37331	0.89	3.0E-05	3.0E-05 Q62918	SWISSPROT	PROTEIN KINASE CHINDING PROTEIN NELL2 PRECURSOR (NEL-LIKE PROTEIN 2)
12353	25147		1.49	3.0E-05	3.0E-05 L77570.1	LN	Homo septens DiGeorge syndrome critical region, centromeric end
							4h89e11.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1855052.3' similar to contains
2332	- 1			١	2.0E-05 AIZ860Z1.1	EST_HUMAN	MILKS.DZ MILKS I REPRUVE BESTIERT.
2587	15588	28605	2.2		20E-05 M13792.1	N	Human adenceine deaminase (ADA) gene, complete cds
2726	16719		867		20E-06 AA160562.1	EST HUMAN	2q46a12.r1 Stratagene hNT neuron (#937233) Homo sapiens cDNA clone iMAGE:632734 6' similiar to contains Alu repetitive element,contains element L1 repetitive element;
3154	L	28128	1.15		2.0E-05 BE068038.1	EST HUMAN	RC3-BT0319-120200-014-h08 BT0319 Homo septems cDNA
3359	16409		0.88	2.0E-05	2.0E-05 AF184614.1	N.	Homo sepiens p47-phox (NCF1) gene, complete cds
3382	16431	28359	1.35		20E-05 X89211.1	L	H. saplens DNA for endogenous retroviral like element
3505	16552		0.7	20E-05	20E-05 X95465.1	Ę	S.cerevisiae 12.8 Kbp fragment of the left arm of chromosome XV
3820	L.		0.69	2.0E-05	2.0E-05 AL039107.1	<b>EST_HUMAN</b>	DKFZp568i084_r1 568 (synonym: hffat2) Homo sapiens cDNA clone DKFZp568i084 5
4720			-	2.0E-05	2.0E-05 BE378471.1	EST_HUMAN	601236455F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3608663 5
2982	18943	32128	1.57	2.0E-05	2.0E-05 AJ011712.1	F	Homo sepiens TNNT1 gene, exons 1-11 (and joined CDS)
6024	19107		0.65		2.0E-05 AF028308.1	Ē	Homo sapiens chromosome 9 duplication of the T cell receptor beta locus and trypsthogen gene families
2808		22272	88.0		043483	SWISSPROT	RENAL SODIUMDICARBOXYLATE COTRANSPORTER (NA(+)IDICARBOXYLATE COTRANSPORTER)
3	Т		3		200		

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ingle Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	WLSSN07.x1 Scares_Dieckgraefe_colon_NHCD Homo sepiens cDNA clone IMAGE:2522077 3*	RC5-HT0582-280300-012-E12 HT0582 Homo sepiens cDNA	hw21a03.x1 NCI_CGAP_K0d11 Homo sapiens cDNA clone IMAGE:3183532 3' straiter to TR:Q12832 Q12832 CLYCOPHORIN HEP2;	Homo sepiens ABCA1 (ABCA1) gene, complete cds	AU131513 NT2RP3 Hamo septens cDNA done NT2RP3002707 5	Homo sapiens chromosome 21 segment HS21C082	Drosophila melanogaster strain Lamto 120 Suppressor of Hairless (Su(H)) gene, partial cds	Homo saplens calclum channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, alternatively spliced	MOSAIC PROTEIN LGN	Homo seplens chromosome 21 segment HS21C003	zw69g04.rf Soares_testis_NHT Homo sepiens cDNA clone IMAGE:781494 5	xy49g11x1 NCI_CGAP_Lu34.1 Hamo septens cDNA clone IMAGE:2866648 3'	H. saptens repeat region	Homo sepiens Spest gene for spastin protein	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	ns19g02.s1 NCI_CGAP_GCB1 Homo sepiens cDNA clone IMAGE:1184114.3' stmilar to contains L1.t1 L1	LI repositive chambrillines A2 main Y /BI A2C40) mDNA and framelated markets	with equals prosprintbase (1) grap (1 Least 10) illustry, and assessed promotes	7p5/d01x1 NCI_CGAP_PT28 Hamo septens cDNA clone IMAGE:3649945 3' similar to contains MER10.b3 MER10 repetitive element ;	52 KD RO PROTEIN (SJOGREN SYNDROME TYPE A ANTIGEN (SS-A)) (RO(SS-A))	Homo sapiens chromosome 21 segment HS21C027	2235h12s1 Soares_total_fetus_Nb2HF8_9w Homo sepiens cDNA clone IMACE:788519 3' similar to	Section 1 COND CORP. Lives series Alle Alexa MARCH 84432 5 strates to contain the	receilling dement contains dement TAR1 receilling dement;	AV732190 HTF Homo sepiens cDNA done HTFBIH01 5'	hd41b02x1 Soarea_NRT_GBC_S1 Homo sepiens cDNA clone IMAGE:2912043 3' shriller to contains	OFR.t1 OFR repetitive element;	hd41b02x1 Sceres_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2812043 3's similar to contains OFR.tt OFR repetitive element;	UHHBIZ-egik e-08-0-Ui.s1 NCI_CGAP_Sub4 Hamo sapiens cDNA clane IMAGE:2724398 3'
Exon Probes E	Top Hit Detabese Source	EST_HUMAN	EST HUMAN	EST HUMAN	Π	EST_HUMAN	П	NT	Ļ	ISSPROT	Г	T HUMAN	EST HUMAN		Į,	SWISSPROT		HOWAN		EST_HUMAN	SWISSPROT	IN.	NAMIN TOU	T	EST HUMAN	Т	Т	EST_HUMAN		EST HUMAN
Single	Top Hit Acession No.	20E-05 A1991025.1	2.0E-05 BE175801.1	2.0E-06 BE348229.1	20E-05 AF275948.1	20E-05 AU131513.1	1.0E-05 AL163282.2	1.0E-05 AF088273.1	1 0F.05 AF223391 1	281274	B 2	  -	1.0E-05 AW419134.1	218943.1	1.0E-05 AJ246003.1	208548		1.0E-05 AA641846.1 ES	420004	1.0E-05 BF222848.1	19474	1.0E-05 AL163227.2	4 OF OF A A 452578 4	Version I	1.0E-05 AA238110.1	1.0E-05 AV732190.1		1.0E-05 AW 510902.1	1.0E-05 AW 510802.1	1.0E-05 AW281521.1
	Most Similar (Top) Hit BLAST E Value	20E-06/	2.0E-05	205-05	20E-05/	20E-05/	1.0E-05/	1.0E-05/	4 OF OF	1.0E-05 P81274	1.0E-05/	1.0E-05/	1.0E-05/	1.0E-05 Z18943.1	1.0E-05/	1.0E-05 P08548		1.01.02	1.05-40	1.0E-05	1.0E-05 P19474	1.0E-05/	4 05 05	200	1.0E-05/	1.0E-05/		1.0E-05/	1.0E-05/	1.0E-05/
	Expression Signal	2.01	1.9	6.5	1.54	1.49	3.2	1.88	1 17	10.43	1.52	1.77	1.82	96.0	1.03	0.52		3.02	0.00	0.68	1.5	2.45	2	1	14.03	0.82		0.79	0.79	1.11
j	ORF SEQ ID NO:		37457			31759	28715	29621		28940	30119	30213	30788	30907	33262	31281		SSS VS	1000	34252			07036	91335	30035	36201		39809	36610	36685
	Esta (D NO:	20042		25740				16706	16866		17232	<u></u>	17804		19661	18360		20003	9	20864		l	00000	┸	22586	L		23123		23201
	Probe SEQ ID NO:	11006	11781	12473	12828	12768	2705	3663	808	88	4201	4306	4887	5005	6915	2028			89)	7824	8067	8528	2445	2	8642	8721		10198	10198	10278

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Probe SEQ ID NO: 10278 10278 11284 12841 2880 17047 7674 8053 8807 8537 8534 8577		· 경우	Signa Signa 1		Acessian 46. 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	HUMAN HUMAN HUMAN HUMAN HUMAN HUMAN HUMAN HUMAN SSPROT SSPROT	Top Hit Descriptor  1. Top Grap Subd Homo septens cDNA clone IMAGE:2873010 3' similar to contains L1.12.L1  1. Topositive element;  1. Topositive selement;  1
2535	15896				8.0E-06 AW362539.1	EST_HUMAN	RC3-CT0283-201199-011-h11 CT0283 Homo sepiens cDNA
11286					Q10364	SWISSPROT	PUTATIVE SERINE/THREONINE-PROTEIN KINASE C22E12.14C
11286	1_	١			010364	SWISSPROT	PUTATIVE SERINE/THREONINE-PROTEIN KINASE C22E12.14C
3635	L				AW362539.1	EST HUMAN	RC3-CT0283-201199-011-h11 CT0283 Homo septens cDNA
2635					AW362539.1	EST HUMAIN	FASCICIAN II PHOSPHATIDYLINOSITOL-LINKED ISOFORM PRECURSOR (FAS II)
10898					P34083	SWISSPROT	PASCICLIN II, PHOSPHATIOTEMOSTICLE, INVENTIONAL INCOME INCOME (FAS. II)
10898			0.64	8.0E-06 P34083	P34083	SWISSPROT	FASCICLIN II, PHOSPHATIDYLINOSITOL-LINKED ISOFORM PRECURSOR (FAS II)
880	14031		214		AA669729.1	EST HUMAN	absoffio.s1 Strategene lung (#837210) Homo septens cDNA clone IMAGE:854251 3' similar to contains MER20.t1 MER20 repetitive element;
1433		27444			7.0E-06 7682177 INT	¥	Homo sepiens KIAA0555 gene product (KIAA0555), mRNA
2884	.1. 1				7.0E-06 AI368252.1	EST_HUMAN	qw16g09.x1 NCI_CGAP_Ut3 Homo sepiens cDNA clone IMAGE:1991296 3' similar to contains Atu repetitive element,

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ſ		П	П									Т	Г												Т						
iĝis tant Lines alle manon il possibilitation de la companion	Top Hit Descriptor	EST99205 Thyroid Homo septens cDNA 5' end similar to EST containing L1 repeat	QV2-OT0062-250400-173-h01 OT0062 Homo septens cDNA	y/65c07.r1 Scares_multiple_sclerosis_2NbHMSP Homo sapiens cDNA clone IMAGE:278412.5	Homo sapiens DNA segment, numerous copies, expressed probes (GS1 gene) (DXF68S1E), mRNA	CERULOPLASMIN PRECURSOR (PERROXIDASE)	601881522F1 NIH_MGC_57 Hamo septens cDNA clane IMAGE:4093972 6	QV3-BT0379-010300-105-df1 BT0379 Hamo sepiems cDNA	QV3-BT0379-010300-105-411 BT0379 Homo sepiens cDNA	OVARIAN ABUNDANT MESSAGE PROTEIN (OAM PROTEIN)	ααθε02.x1 Soares_fetal_liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:1655738 3' skruller to contains MER8.t2 MER8 repetitive element;	Mus musculus E-cadherin binding protein E7 mRNA, complete cds	PROTEIN XE7	IL5-UM0070-110400-063-g02 UM0070 Homo sepiens cDNA	Homo sepiens calcium channel, voltage-dependent, alpha 11 subunit (CACNA11), mRNA	Homo sepiens chromosome 21 segment HS21C046	Human ABL gene, exon 1b and intron 1b, and putsitive M8604 Met protein (M8604 Met) gene, complete cds	Homo expiens gene for LECT2, complete ods	RC1-CT0302-120200-013-h02 CT0302 Homo sapiens cDNA	RC1-CT0302-120200-013-H02 CT0302 Hamo septiens cDNA	EST185496 Colon carcinoma (HCC) cell line Homo sapiens cDNA 5' end	SODIUM- AND CHLORIDE-DEPENDENT CLYCINE TRANSPORTER 1 (CLYT-1)	HA0877 Human fetal liver cDNA library Homo sapiens cDNA	ya48c03.r1 Sceres Infant brain 1NIB Homo sapiens cDNA clone IMAGE:53254 6' similar to contains Atu	repourte draitail, cuitaine Li repourte draitent. MOMO - MOI CAN Emo Home enjane - DNA Arms INACE-SCORTA? elmite to containe Alu	<b>Model (LATINC_CONT_LEGIZE main septems contra redis introc_Legize) 7.5 entrem so contrata servicios en repositivo element, contratas element (MER2) repetitivo element ;</b>	#33e09.x1 NCI_CGAP_HSC2 Hamo sapiens CDNA clane IMAGE:2056168 3'	tb33e09.xf NCI_CGAP_HSC2 Hamo septens cDNA clane IMAGE-2056/168 3'	QV2-NT0046-200600-250-h07 NT0046 Hamo sepiens cDNA	UI-H-BIQ-earl-105-0-UI.s1 NCI_CGAP_Sub1 Hamo septens cDNA clane IMAGE:2710425 3'	Gallus gallus Dach2 protein (Dach2) mRNA, complete cds
WOLL LONG	Top Hit Datebase Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	<u>LN</u>	SWISSPROT	EST_HUMAN	EST_HUMAN	EST_HUMAN	SWISSPROT	EST HUMAN	N.	SWISSPROT	EST_HUMAN	<u>F</u>	NT	ŢŃ	Ł	<b>EST_HUMAN</b>	<b>EST_HUMAN</b>	EST_HUMAN	SWISSPROT	<b>EST_HUMAN</b>	1444 H T TOL	ESI HOMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	N
D. P. C.	Top Hit Acession No.	7.0E-06 AA385542.1	7.0E-06 AW883141.1	7.0E-08 N98845.1	11420709 NT		7.0E-06 BF215972.1	8.0E-08 BE069189.1	6.0E-06 BE069189.1	201468	6.0E-06 AI040099.1	6.0E-06 AF167441.1	202040	6.0E-06 AW801912.1	11418157 NT	5.0E-06 AL 163246.2	5.0E-06 U07561.1	4B007548.1	5.0E-06 AW856972.1	5.0E-06 AW856972.1	5.0E-06 AA313620.1	228039	5.0E-06 A1065045.1	7,0000	4.UE-UO K10207.1	4.0E-06 AW103354.1	4.0E-06 AI334928.1	4.0E-06 Al334928.1	4.0E-06 BF365612.1	4.0E-06 AW015401.1	4.0E-06 AF198349.1
	Most Similer (Top) Hit BLAST E Vaiue	7.0E-06	7.0E-06	7.0E-08	7.0E-06	7.0E-08 Q61147	7.0E-06	8.0E-08	8.0E-06	8.0E-06 Q01458	6.05-06	6.0E-06	8.0E-06 Q02040	8.0E-06	8.0E-06	5.0E-06	5.0E-06	5.0E-08	5.0E-06	5.0E-08	5.0E-06	5.0E-08 Q28039	5.0E-06	20,	4.UE-00	4.05-08	4.0E-06	4.0E-08	4.0E-06	4.0E-06	4.0E-06
	Expression Signal	0.78	5.16	0.81	0.7	0.54	2.83	127	1.08	2.35	2.54	1.41	1.05	1.52	1.74	3.86	3.96	1.14	0.49	0.49	1.1	2	2.14		B	6.33	4.22	422	2.58	3.05	0.94
	ORF SEQ ID NO:			32179	35633		i.	20082	L	28936	30708	31403	31495		31700	32487	32784	33762	35186	35196	36877	38569	31709	-	2000	78884	27340	27341	27477	28313	28046
	SEQ ID NO:	1			22107	23185	26927	15988	16749	16010	17811	18525	18583	23140	26582	19254	19536	2410	21770	21770	23384	24972	25512	,	13/14	13903	14371	14371	14503	15287	16733
	Probe SEQ ID NO:	3578	5780	5902	9141	10280	12202	2828	3708	4785	4784	6422	2488	10215	13041	6179	6471	7447	8888	8803	10462	12101	12928	3	\$	847	1337	1337	1470	2274	3076

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Single Exon Probes Expressed in Bone Marrow

					•		
Probe	Exen CEO ID	ORF SEQ	Expression	Most Similar (Top) Hit	Top Hit Acession	Top Hit Database	Top Hit Descriptor
X 0 0 0		Ö Q Q	Signal	BLAST E Vætue	o Z	Source	
3909	16949	29860	1.1	4.0E-06	4.0E-06 AW848285.1	EST_HUMAN	IL3-CT0214-150200-074-B03 CT0214 Homo septens cDNA
	<u>L</u> .		3		700000		WISGCIONTING COAP_BIN25 Home septens cDNA clone IMAGE:2432562 3' straitar to contains element
4846			2.18		4.UE-U0 A1000308.1	NAMPE I CO	MALE TO SELECT CONTRACT OF COURTS OF
8844	21811	35230	0.58		015393	SWISSPROT	IKANSMENEKANE PROTESSE, SEKINE Z
9452	22118	35545	3.6		4.0E-06 AF009680.1	M	Hamp septens T cell receptor beta tocus, TCKBV/53A2 to TCKBV1252 region
10066	L	36462	1.14		4.0E-06 A.272286.1	F.	Homo seplens SPP2 gene for secreted phosphapratein 24 precursar, exans 1-8
11778	L		291		4.0E-08 AB007955.1	M	Homo sepiens mRNA, chromosome 1 specific transcript KIAA0488
	L						273408.81 Scares_fetal_inver_spleen_1NFLS_S1 Homo sapiems cDNA clone IMAGE:432683 3' similar to
22.23	15189	28209	1.9		3.0E-08 AA 700562.1	EST_HUMAN	contains L1.t1 L1 repetitive element;
	_				-		z/34b08.s1 Sceres_fetat_liver_spleen_1NFLS_S1 Horno sapiens cONA clone IMAGE:432263 3' similar to
27.73	15189	28210	1.9		3.0E-06 AA700562.1	EST_HUMAN	contains L1.t1 L1 repetitive element;
2276	1		2,80	3.0E-06	3.0E-06 AF202835.1	IN	Homo seplens PP1200 mRNA, complete cds
	1						al48g11.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:14092523' similar to contains LTR1.t3
2883	1500	28911	0.95		3.0E-06 AA868218.1	EST HUMAN	LTR1 repailitive element;
				ŀ			WIZ2805X1 NCI_CGAP_UTI Hamo septens cDNA clane IMAGE:2425816 3' shriter to TR:060734 060734
3279	16333		232		3.0E-08 AI857779.1	EST_HUMAN	LINE-1 LIKE PROTEIN ;contains L1:2L1 repetitive element;
3797	L	29743			3.0E-08 BE047094.1	<b>EST_HUMAN</b>	hq84d12x1 NCI_CGAP_HN13 Homo septems GDNA dome IMAGE:3124151 3"
3797	ı				3.0E-06 BE047094.1	EST_HUMAN	hq64d12x1 NCL_CGAP_HN13 Homo septens cDNA done IMAGE:3124151 3'
	l						yb78b10.r1 Stratagene overy (#637217) Homo sapiens cDNA done IMAGE.77275 5' similar to contains L1
4501	17528	30411	0.67		3.0E-06 T50268.1	EST_HUMAN	repetitive element
							Homo sepiens gene for alpha-1-microglobulin-bitanin, excns 1-5 (encoding alpha-1-microglobulin, N-
4694	17815	30509	4.02		3.0E-06 X54818.1	M	verminus.)
6284	19356	32592	0.74		3.0E-06 AU159412.1	EST_HUMAN	AU159412 THYRO1 Hamo septens CDNA clone THYRO1001602 3
6874	20197	33525	95.0		3.0E-06 Z79478.1	NT	H.seplens flow-sorted chromosome 6 Taql tragment, SCApARES
6974	20197	L	99.0		3.0E-06 Z79478.1	NT	H.sepiens flow-sorted chromosome 6 Taql fragment, SCRpA9E5
7439	L		1.9		3.0E-06 P08548	SWISSPROT	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG
8418		34798	0.78		3.0E-06 BE562964.1	EST_HUMAN	801336213F1 NIH_MGC_44 Hamo sapiens cDNA clone IMAGE:3690314 5
9032	<u> </u>				3.0E-06 P07743	SWISSPROT	PAROTID SECRETORY PROTEIN PRECURSOR (PSP)
12831	L	L	6.4		3.0E-06 AW386282.1	EST_HUMAN	RCO-LT0001-281199-011-A03 LT0001 Homo septens cDNA
233	L		3.24		2.0E-06 P54366	SWISSPROT	HOMEOBOX PROTEIN GOOSECOID
1572			5.6		2.0E-06 P21414	SWISSPROT	POL POLYPROTEIN (CONTAINS: PROTEASE; REVERSE TRANSCRIPTASE; ENDONUCLEASE)
		<u> </u>			A 1672499 4	EST HIMAN	we04e03.x1 NCI_CGAP_Kid11 Homo sepiens cDNA clone IMAGE:2297068 3' straker to conteins MER30.b1  MER30 recettine element :
2387		78450	700	1	ZUE-UG MIOIZIOCI	CIVICEDDOT	HISTIDINE-RICH GI YCOPROTEIN PRECURSOR
2474	15478				17048/28	SWISSEROI	

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Single Exon Probes Expressed in Bone Marrow

Most Similar (Top) Hit Top Hit Acession Detabase BLAST E No. Source	1.94 2.0E-06 P06719 SWISSPROT KNOB-ASSOCIATED HISTIDINE-RICH PROTEIN PRECURSOR (KAHRP)	1.28 2.0E-08 AV657555.1   EST HUMAN   AV657555 GLC Homo septens CDNA clone GLCFDB05 3	1.56 2.0E-06 AA173518.1 EST_HUMAN   \$202605.11 Strategene overien cencer (#037219) Homo sepiens cDNA clone IMAGE:596232 5	2.0E-06 AW450215.1   EST_HUMAN	MT	or34h01.s1 NCI_CGAP_Lu5 Hamo sapiens cDNA done IMAGE:1668009 3' similar to contains Alu repesitive con	2.0E-06 AI53948.1 EST_HUMAN	2.0E-06 AI819424.1 EST_HUMAN	2.0E-06 AW869223.1 EST_HUMAN	2.0E-06 T12238.1 EST_HUMAN	2.0E-06 AA772497.1 EST_HUMAN	2.0E-06 H62061.1	2.0E-06 AF003529.1 NT	2.0E-06 AF003529.1 NT	0.48 2.0E-06 AI473450.1 EST_HUMAN \$18g10.x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE:2141730 3'		2.0E-06 AV748969.1 EST_HUMAN	2.0E-08 015553 SWISSPROT	2.21 2.0E-06 015553 SWISSPROT PYRIN (MARENOSTRIN)	2.0E-06 P23249 SWISSPROT	ORGANIC CATION/CARNITINE TRANSPORTER 2 (SOLUTE CARRIER FAMILY 22, MEMBER 6) (HIGH	1.0E-06 AF084384.1 NT	1.0E-06 P09125 SWISSPROT	1.0E-06 AL163278.2 NT	1.0E-08 AA034141.1	1.0E-06 AA034141.1
Most Sim Expression (Top) H Signel BLAST										0.63	0.61	1.83	0.87	0.87	0.48		L	224	221	2.97	000	3.02	1.61	1.67	122	122
Exan SEQ ID NO:	16574 28594	16577 28500				19282	18314 32544			21395 34806	ļ	22166 35596	Į.	22533 35984		22986 36454		24981 38581				13720 26649				
SEO ID	2873	3531	3774	ı	3789	8208	1428	1939	L	L	88	0028	1_	9571	L	10059	10279	1211	12111	1255 5455	-	8 8	148	1527	1578	1576

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Top Hit Descriptor	qB2g07.x1 Soares_NhHMPu_S1 Hamo septens cDNA clane IMAGE:1878878 3'	qi82g07.xri Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:18788763'	POL POLYPROTEIN (CONTAINS: PROTEASE; REVERSE TRANSCRIPTASE; ENDONUCLEASE)	Homo sepiens UDP-glucuronosyltransferase gene, complete ods	EST05660 Fetal brain, Stratagene (cat#336206) Homo sapiens cDNA clone HFBEN89	Hamo sepiens chromosome 21 segment HS21C080	Homo sepiens ATP-binding cessette, sub-family A (ABC1), member 8 (ABCA8), mRNA	Homo sepiens ATP-binding cassetts, sub-family A (ABC1), member 8 (ABCA8), mRNA	CM3-CT0277-221099-024-e11 CT0277 Homo septens cDNA	Homo sepiens HLA class III region containing tenescin X (tenescin-X) gene, pertial cds; cytochrome P460 21-	hydroxylase (CYP21B), complement component C4 (C4B) G11, heticase (SKIZW), KD, complement tactor B	(Bf), and complement component CZ (CZ) genes, A	HYPOTHETICAL 24.1 KD PROTEIN IN LEF4-P33 INTERGENIC REGION	7g94f07x1 NCI_CGAP_Co16 Hamo sapiens cDNA done IMAGE:33141493' similar to TR:075820 075920	4F5L.;	CA/4-NN1029-260300-121-h12 NN1029 Hamo sepiens cDNA	wh64f10,x1 NCI_CGAP_Kd11 Homo sapiens cDNA clone IMAGE:23855473	EST83615 Supt cells Homo sepiens cDNA 5° end	Wh64f10.x1 NCI_CGAP_Kid11 Hamo sapiens cDNA clone IMAGE:2385547 3'	Homo sepiens NOD1 protein (NOD1) gene, exons 4 through 14 and complete cds	Mus musculus OG-2 homeodomein protein (OG-2) gene, perital cds	tg06b05x1 NCI_CGAP_CLL1 Home sapiens cDNA clone IMAGE:2107953 3' similar to contains Atu	Idealine desirationisis desiration of the second of the se	ignobosti Nci_Coat_Coli nome sepisis cora cide image ivress semise se comena a comena a comena a repetitive repetitive element,contains element A3R repetitive element ;	xs31s02x1 NCI_CGAP_Br18 Homo sepiens cDNA done IMAGE:2668362 3' similar to gb:X15341	CYTOCHROME C OXIDASE POLYPEPTIDE VIA-LIVER (HUMAN);	ADAM-TS 1 PRECURSOR (A DISINTEGRIN AND METALLOPROTEINASE WITH THROMBOSPONDIN	MOTIFS 1) (ADAMTS-1) (ADAM-TS1)	S-ANTIGEN PROTEIN PRECURSOR	CM-BT178-220499-014 BT178 Homo sapiens cDNA	COLLAGEN ALPHA 1(1) CHAIN PRECURSOR	Homo sapiens Xq pseudoautosomal region; segment 1/2	QV0-CT0383-210400-204-b12 CT0363 Homo septems CUNA
Top Hit Database Source	EST_HUMAN	EST_HUMAN	SWISSPROT	¥	EST_HUMAN	TN	NT	NT	EST HUMAN			Į.	SWISSPROT		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT		ESI_HUMAN	EST HUMAN		<b>EST_HUMAN</b>		SWISSPROT	SWISSPROT	EST_HUMAN	SWISSPROT	NT.	EST_HUMAN
Top Hit Acession No.	8.0E-07 AI288596.1	8.0E-07 A1288698.1	21414		8.0E-07 T07770.1		TN 0075009	6005700 NT	6.0E-07 AW855558.1			6.0E-07 AF019413.1	941479		6.0E-07 BF001867.1	6.0E-07 AW903222.1	5.0E-07 AI831893.1	5.0E-07 AA380630.1	5.0E-07 AI831893.1	5.0E-07 AF149774.1	J65067.1		5.0E-07 AB93981.1	5.0F-07 Argeses1.1		5.0E-07 AW070885.1		5.0E-07 Q9WUQ1	P09593	6.0E-07 Al908587.1	P11087	5.0E-07 AJ271735.1	5.0E-07 AW862537.1
Most Similar (Top) Hit BLAST E Value	8.0E-07	8.0E-07	8.0E-07 P21414	8.0E-07	8.0E-07	8.0E-07	7.0E-07	7.0E-07	6.0E-07			6.0E-07	6.0E-07 P41479		6.0E-07	6.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07	5.0E-07 U65067.1		5.0E-07	5.0F-07		5.0E-07		5.0E-07	5.0E-07 P09593	6.0E-07	5.0E-07 P11087		5.0E-07
Expression Signal	3.87	3.87	8.55	11.24	5.78	9.17	0.73	0.73	4.89			5.38	2.25		2.17	3.45	0.99	2.45	0.68	1.16	1.23		1.68	8		16.74		0.87	1.88	6.39	3.52	2.12	4.14
ORF SEQ ID NO:	30715	30716					31663		27948			28530			35902					30584			33300	24404		33802		35002		37147	38314		
SEQ ID	17821	17821	1	L	I_	25031	18693	18693	14952			15503	17036		22461			L	L	1	١.	١.	20001	20004	1	20534		21586	L	1_	L		Ш
Probe SEQ ID NO:	4804	4804	2988	8335	11943	12183	5597	5597	1928			888 7288	3998		9497	12442	328	1080	3044	4676	6242		7266	7.00		7571		8618	8835	10732	11845	11908	12842

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	Top Hit Descriptor		ac04c10.s1 NCI_CGAP_GCB1 Hamo septems dDNA clame IMAGE:1338890 3'	QV1-UM0036-200300-115-g02 UM0038 Homo sapiens cDNA	[WZ8f11.x1 NC]_CGAP_Ov35 Homo sapiens cDNA clone IMAGE:2261037 3' similar to contains Aturement in element MSR1 MSR1 repetitive element;	Rattus narvegicus mRNA for 45 kDa secretory protein, partial	Hamo sepiens TRF2-interacting telomento RAP1 protein (RAP1) mRNA, complete ods	Homo sapiens DiGeorge syndrome critical region, telomaric end	Homo sepiens DiGeorge syndrome critical region, telomento end	Fugu rubripes beta-cytoplasmic(vescular) actin gene, complete cds	Homo sepiens homeobox protein CDX4 (CDX4) gene, complete cds and flanking repeat regions	Homo sepiens homeobox protein CDX4 (CDX4) gene, complete cds and flanking repest regions	RETROVIRUS-RELATED POL POLYPROTEIN (CONTAINS: REVERSE TRANSCRIPTASE; [ENDONUCLEASE]		zr08b07,s1 Stratagene NT2 neuronal precursor 987/230 Homo sapiens cDNA clone INAGE-650869 3' similar to gb:L31860 GLYCOPHORIN A PRECURSOR (HUMAN); contains Alu repetitive element;	ver15004.srl Stratagene lung (#837210) Homo sapiens cDNA clone IMAGE:80780 3' similar to contains L1	repetitive element;	#6 AUTOANTIGEN	HYPOTHETICAL 72.5 KD PROTEIN C2F7.10 IN CHROMOSOME I	601818816F1 NIH_MGC_58 Homo septens cDNA clone IMAGE:4044891 5	Hamo sepiens cavedin 1 (CAV1) gene, expn 3 and partial cds	WAZONO4.X1 NCI_CGAP_Lym12 Hamo septens cDNA clane IMAGE:2412819 3	RC3-NN0066-260400-021-g11 NN0066 Hamo sapiens cDNA	UHHBIS-elic-b-01-0-Ul. ST NCI_CGAP_Sub5 Harno septens CDNA ciane IMAGE: 2/34006 3	4958405.x1 Scenes_lestis_NHT Hamo septems CUNA ctone IMAGE-1639177 3	Inm33e06.81 NCI_CGAP_Lip2 Homo sepiens cDNA cione (MAGE:1001838 similiar to contants Aufrichoughe	element	AV728390 HTC Homo sapiens cDNA crore HTCAEC422 5	2K27g09.s1 Soares, pregnant uterus, NDHPU Home saptens curva cross invalce: 47 1000 3	Homo sapiens chromosome 21 segment HS21C103	CAA4-NN0003-280300-124-e06 NN0003 Homo sapiens cDNA	COMPLEMENT FACTOR B PRECURSOR (CA/CS CONVERTASE) (PROPERDIN FACTOR B)   (GLYCINE-RICH BETA CLYCOPROTEIN) (GBC) (PBF2)
	Top Hit Databese	Source	EST_HUMAN	EST HUMAN	EST HIMAN	IN	Z	Z	Þ	Ę	Ę	Ę	SWISSPROT		EST HUMAN		EST_HUMAN	SWISSPROT	SWISSPROT	EST_HUMAN	NT	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	EST HUMAN	SWISSPROT
•	Top Hit Acession	ġ	AA815175.1	3.0E-07 AW797168.1	O OFF OF AIRDANGS 4	3.0F-07/A.1132352.1	2 DE-07 AF282988-1	77569.1	L77569.1	U38849.1	2.0E-07 AF003530.1	2.0E-07 AF003530.1	P11369		2 0E-07 AA223380.1		T83042.1	0,26768	Q09701	2.0E-07 BF131397.1	2.0E-07 AF125348.1	2.0E-07 AIB73563.1	2.0E-07 AW898066.1	2.0E-07 AW448968.1	2.0E-07 Al208715.1		20E-07 AA572953.1	2.0E-07 AV729390.1	2.0E-07 AA035198.1	2.0E-07 AL163303.2	2.0E-07 AW692507.1	P00751
	Most Similar (Top) Hit	Value	3.0E-07	3.0E-07	0 OE 07	3.05-07	2 OF-07	20E-07 L77569.1	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07 P11369		2.0E-07		2.0E-07 T83042	2.0E-07 Q26768	2.0E-07 Q09701	20E-07	2.0E-07	2.0E-07	2.0E-07	20E-07	2.0E-07		20E-07	2.0E-07	2.0E-07	20E-07	20E-07	2.0E-07 P00751
-	<u> </u>	e de la company	5.12	328		7.77	4 10	488	884	152.51	1.29	1.28	0.87		6		7.18	1.18	2.35	0.86	17.94	1.42	1.71	6.0	1.63		0.81	4.23	68'0	1.8	6.11	0.92
-		Ö Z Q		34074			28054	26185						+	28047				27013		28656						33178		35430	<u> </u>	37052	
	Egan SEO ID	Ö	19914	1	1	2000	40464	18258	1325g	13783	13810	13810	19820	2000	13005	2000	13996	14208	14636	16876		]	1_		L		19885	21780		L	1	1 1
	Probe SEO ID	Ö	8861	7752		2829	3	188	3 7	₹	749	4	282	3	8	Š	2	1167	160	3633	3700	4195	5417	6702	6820		6832	8813	8043	10119	10630	10855

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Single Exoll Flores Exploses in Solls i	ORF SEQ Expression (Top) Hit Top Hit Acession (Top) Hit Top Hit Acession Signal BLAST E No. Source	37273 0.92 2.0E-07 P00754 SWISSPROT	2.86 2.0E-07 BE153717.1 EST_HUMAN	1.88 2.0E-07/AI732462.1 EST_HUMAN	1.46 1.0E-07 AL163282.2 NT	27529 2.95 1.0E-07 P09256 SWISSPROT	1.25 1.0E-07 AL163282.2 NT	30234 3.01 1.0E-07 AV718682.1 EST_HUMAN	30235 3.01 1.0E-07/AV7186821 EST_HUMAN	32986 0.82 1.0E-07 U82671.2 NT	33378 4.44 1.0E-07 BE047871.1	33378 4.44 1.0E-07 BE047871.1 EST HUMAN	34054 9.42 1.0E-07 N55081.1 EST_HUMAN	34240 0.69 1.0E-07 BF375909.1 EST_HUMAN	34241 0.69 1.0E-07 BF375909.1 EST_HUMAN	34272 1.27 1.0E-07 AL163281.2 NT	34944 2.28 1.0E-07 P97435	34945 2.28 1.0E-07 P97435 SWISSPROT	35702 2.83 1.0E-07/AA683578.1 EST_HUMAN	SWISSPROT		38388 0.53 1.0E-07 BE327843.1 EST_HUMAN	36705 2.5 1.0E-07 BF674524.1 EST_HUMAN	38712 1.26 1.0E-07 AA380311.1 EST_HUMAN	2.63 1.0E-07 AL163282.2 NT		31017 4.00 1.0E.07 VR487 4 NT	1,38 1,050 XX1101 XX17551 NT	I.OE I.OE II.OE III.OE	33823 0.84 9.0E-08 AF338362.1 [EST
																							L			ŀ				
	Exan SEQ ID NO:	23775	<u> </u>	1			<u>.                                    </u>	<u>.</u>	17350	 19709	50 20072	L	L	L	<u> </u>	L	<u> </u>		98 22271	32500		76 22902		<u>L</u> .	34 23752	<u> </u>		- 1_	_1	20463
	Probe SEQ ID NO:	10855	12138	12224	1104	2838	3757	4321	4324	6862	2000	7050	7735	7910	7910	28E	8558	8558	9308	8	2000	9226	10298	10304	10831		12500	12634	12/55	7498

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Top Hit Descriptor	AV734819 cdA Homo septens cDNA done cdABFB05 5	wn30e07.x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE::2446932 3' similer to contains OFR.tZ OFR repetitive element ;	Homo sapiens chromosome 21 segment HS21C101	Homo sapiens partial stearin-1 gene	wd16b05.x1 Scares_NFL_T_GBC_S1 Homo expiens cDNA clone IMAGE:2328273 3'	601590133F1 NIH_MGC_7 Hamo sapiens cDNA clone IMAGE:3943978 5	601660133F1 NIH_MGC_7 Hamo sapiens cDNA clone IMAGE:3943976 5	cn15c02.x1 Normal Human Trabecular Bone Cells Homo sepiens cDNA done NHTBC_cn15c02 random	cn15c02.x1 Normal Human Trabecular Bone Cells Homo sapiens cDNA clone NHTBC_cn15c02 random	EST382776 MAGE resequences, MAGK Homo septens cDNA	Homo sepiens jun dimerization protein gene, pertial cds; cfos gene, complete cds; and unknown gene	Hamo sepiens microsamal epacide hydralese (EPHX1) gene, complete cas	ANKYRIN 1 (ERYTHROCYTE ANKYRIN)	Ret mRNA for ribosomal protein L31	DYNEIN HEAVY CHAIN (DYHC)	DYNEIN HEAVY CHAIN (DYHC)	IG KAPPA CHAIN V-I REGION OU	IG KAPPA CHAIN V-I REGION OU	cong3.P11.A5 concrm Hamo sepiens cDNA 3"	Rethus norvegicus Munc 13-1 mRNA, complete cas	DYNEIN HEAVY CHAIN (DYHC)	DYNEIN HEAVY CHAIN (DYHC)	Hamo seplens SCL gene locus	Homo sapiens chromosome 21 segment HS21CO48	Homo sapiens chromosome 21 segment HS21C048	MR0-HT0166-191199-004-g09 HT0166 Hamo sepiens cDNA	Hamo sapiens chranosame 21 segment HS21C048	Hamo sapiens chrancsame X region from filamin (FLN) gene to glucose & phosphata dehydrogenase (GGPD) gene, complete cds's	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG
Top Hit Detaberse Source	EST_HUMAN /	EST HUMAN	Г	- LV	EST_HUMAN	П	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT		SWISSPROT	٦				П	T HUMAN		$\Box$	ISSPROT	M	NT	뒫	EST_HUMAN	Į.	NT	SWISSPROT
Top Hit Acession No.	9.0E-08 AV734819.1	9.05-08 A1891052.1	9.0E-08 AL163301.2		8.0E-08 AI911352.1	8.0E-08 BE785489.1	8.0E-08 BE795489.1	8.0E-08 A1762387.1.	8.0E-08 AI752367.1	8.0E-08 AW970693.1	8.0E-08 AF111167.2	8.0E-08 AF253417.1	002357	7.0E-08 X04809.1	P15305	P16306	P01606	P01606	7.0E-08 AI535743.1	7.0E-08 U24070.1	P15305	P15305	7.0E-06 AJ131016.1	6.0E-08 AL163248.2	6.0E-08 AL163248.2	6.0E-08 BE144398.1	6.0E-08 AL163248.2	8.0E-08 L44140.1	P08547
Most Similar (Top) Hit BLAST E Vatue	9.0E-08	905-08	9.0E-08	9.0E-08	80E-08	8.0E-08	8.0E-08	8.0E-08	8.0E-08	8.0E-08	8.0E-08	8.0E-08	7.0E-08 Q02367	7.0E-08	7.0E-08 P15305	7.0E-08 P15305	7.0E-08 P01606	7.0E-08 P01606	7.0E-08	7.0E-08	7.0E-08 P15305	7.0E-08 P15305	7.0E-08	6.0E-08	6.0E-08	8.0E-08	80E-08	8.0E-08	6.0E-08 P08547
Expression Signer	2.18	146	232	3.51	2.97	0.77	2.07	3.38	3.38	28	0.46	2.63	4.07	17.17	0.7	2.0	6.0	6.0	2.33	4.32	1.55	1.66	1.9	4.23	4.23	2.72	128	0.49	0.74
ORF SEQ ID NO:	36661	SAMA	38452					35482	35483	36377	37363		28121	27368	29553	29554	29904	20002		38454	١.			26824					$\  \ $
SEQ (D NO:	23172	24458	24854	25212	15845	14098	16601	22057	22057	22812	23848		L	14397	16834	10634	16989	16989	24123	24859		16834					L	l	21262
Probe SEQ (D NO:	10247	44646	11077	12453	8	1052	3555	99	90	8985	10928	11576	8	1363	3580	3583	3949	3949	11165	11982	12809	12899	12978	818	88	2374	4278	8162	8283

Page 214 of 546 Table 4 Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	obc6c05.s1 NCI_CGAP_GCB1 Homo septens cDNA clone IMAGE:1335368 3' similar to contains MER12.b3 MER12 repetitive element ;	RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE ; ENDONUCLEASE]	Homo septens chromosome 21 segment HS21C103	nk03b09.s1 NCI_CGAP_Thy1 Homo septens cDNA clone IMACE=343193 similar to comains Au repeanive element.	COMPLEMENT C2 PRECURSOR (C3/C5 CONVERTASE)	QV0-CT0225-131089-034-412 CT0225 Homo septems GJVA	DORSAL-VENTRAL PATTERNING TOLLOID PROTEIN PRECURSOR	NORSAL-VEN I KAL PATI IENNING I OLLOID FINO IEBRI I LEGONOSI.	oobse02X1 Soares Tena Inver_splean_invit_S_S I main separas when were inverted to the repositive element.	Homo sepients shox gene, efternatively spiloed products, complete ods	URIDINE PHOSPHORYLASE (UDRPASE)	TRANSMEMBRANE PROTEASE, SERINE 2	Cricetatus griseus ribosomal transcription factor (UBF2) mRNA, compiete cos	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	of 78412.s.f Soares total fetus Nb241-8 94 Homo Sapiens Cunn Cigna III NASE. 1022505 5	en/22d10.x1 Gessler Wilms tumor Homo saptens curve done invace: 10s0411 s entire to contains vai repetitive element contains element MER22 repetitive element ;	z/76b08.r.1 Soeres_testis_NHT Homo septens CNNA clone IMAGE://28247 b. similer to Inc. Coucholy G506579 NA/CA,K-EXCHANGER.;	2/70608.r1 Sogres_testis_NHT Homo sapiens CDNA clone IMAGE:728247 5' similar to TR:0505579	G505579 NA/CA,K-EXCHANGER.;	602248024F1 NIH MGC 62 Hamp sapiens CLINA date inware: 4555500 5	302248024F1 NIH MGC 82 Hamo sepiena dulva dema marce. 1555500 d	2465g03.rf Soares_feta_heart_Nbrit119W Homo Saptents CLAW Gute ImmoE_catobook of annear of category.	#BS6a11.x1 NCI_CGAP_Co16 Home sepiens cDNA clone INAGE:2062076 3' similar to contains MEK18.b3	MENTO MENTO Experience community A. J. cene. complete cds	12 TO 12 AND MAC 40 Hours series CNA done (MACE:3048570 5' similar to TRC02158 092158	SYNTAXIN 17.;
	Top Hit Detabase Source	EST_HUMAN !	SWISSPROT	П	EST HUMAN			Т	SWISSPROT	EST_HUMAN	Ī	ISSPROT	SWISSPROT			EST_HUMAN	EST_HUMAN	EST HUMAN			П	EST HUMAN	EST HUMAN	1111111	ESI MUMAIN	Z	EST_HUMAN
1 2 2 1	Top Hit Acession No.	6.0E-08 AA827075.1	71369	03.2	5 DF-08 AA493851.1	908881	5.0E-08 AW851878.1	25728	25723	4.0E-08 AI078417.1	J82668.1	52624	015393	A2571.1	P08547	4.0E-08 A1016342.1	4.0E-08 A1050027.1	4 NE-08 AA393907.1		4.0E-08 AA393627.1	4.0E-08 BF682483.1	4.0E-08 BF682463.1	4 0E-08 W76159.1		4.0E-08 AI343353.1	3.0E-08 MB3242.1	3.0E-08 BE018348.1
	Most Similar (Top) Hit BLAST E	6.0E-08	6 DE-08 PY 1369	5.0E-08	5 OF-08	5.0E-08 P06681	6.0E-08	4.0E-08 P25723	4.0E-08 P25723	4.05-08	4 0F-08 U82668.1	4.0E-08 P52624	4.0E-08 015393	4.0E-08 LA2571.1	4.0E-08 P08547	4.0E-08	4.0E-08	4 05-08		4.0E-08	4.0E-08	4.0E-08	4.05-08				
	Expression	0.54	2	322	40	10.16	1.63	1.07	1.07	580	0 78	180	0.0	1.32	0.82	0.05	3.67	7 84	2	1.61	3.11	3.11	4.98		1.84		3.06
	ORF SEQ ID NO:		aucas		9636	2000	31814	L	27790		20888	Ŀ					37171		800/6	37890			i			29404	31958
	Escan SEQ ID NO:	22636	0.007	1		25032	L	L	14804	18194	10101		1_	L	L	L		1	24530	24355				L		16485	18787
	Probe SEQ ID NO:	8	2008	198	3788	12/85	12382	1775	1775	200	100	95.45	9	8	10003	10693	10762		וויוין ווי	11411	11428	11428	8	2	12830	3438	2695

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Top Hit Descriptor	qs76f11.y6 NCI_CGAP_Pr28 Hamo sapiens aDNA clane IMAGE:1944045 5	nt HSZ1CO48	theshoe x1 Soares_NSF_F19_9W_OT_PA_P_S1 Hamo septens cDNA clone IMAGE:2126273 3" semilar to TR.Q13637 Q13637 MER37 TRANSPOSABLE ELEMENT, COMPLETE CONSENSUS SEQUENCE.;		yg02f04.r1 Soares infant brain 1NIB Homo sapiens cDNA done IMAGE:30048 5 similar to contains Alu repetitive element.	x/87706.x1 NCI_CGAP_Luz6 Homo sepiens cDNA clone IMAGE:2767139 3"	zw48f07.r1 Soares_total_fetus_Nb2HF8_9w Homo seplens cDNA clone IMAGE:773317 5' similar to contains Au repetitive element.contains element MER15 repetitive element ;	RNA, complete cds	to Hamo saptens cDNA	to Homo septens oDNA	601155321F1 NIH_MGC_21 Hamo septens aDNA done IMAGE-3138893 5	nt HS24C047	601570463F1 NIH_MGC_21 Homo sepiens dDNA done IMAGE:3845199 5	xp43f11x1 NCI_CGAP_HN11 Hamo septens cDNA clane IMAGE:2743149 3"				7 Homo sapiens cDNA	spliced products, complete cds	se28c07.r1 NCI_CGAP_GCB1 Homo septens cDNA clone IMAGE:314380 5' straiter to contains L1.t2 L1 repetitive element ;	he17h08x2 NCI_CGAP_CML1 Homo septens cDNA done IMAGE:2818327 3' similar to contains Afu		sapiens dDNA done 1377189 3'	xx32c64.x1 NCI_CGAP_Ox23 Homo septens cDNA clone IMAGE:2595462 3' straiter to contains MER18.b3	MENTO MENTO INFORMATION OF THE PROPERTY OF THE NEW YORK TO THE TRANSPORTAGE THE TRANSPORTAG	AND ARE A Strategiese fold rating 037202 Home seniors CONA clone IMAGE 939674 3"	ANA TIME DI ACCIONATION OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF THE PROPERTY OF THE PR	MA QUID FLANE IVIII 18 &
		Homo septens chromosome 21 segment HS21C046													Sheep His-RNA-GUG										Т	Т	Ŧ	N AU1389/8 PLACE1 Homo sapars dura dare reactivities
Top Hit Database Source	EST_HUMAN	ħ	EST_HUMAN	¥	EST_HUMAN	EST_HUMAN	EST_HUMAN	IN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	M	<b>EST_HUMAN</b>	EST_HUMAN	M	SWISSPROT	SWISSPROT	EST_HUMAN	M	EST HUMAN		EST_HUMAN	<b>EST_HUMAN</b>	TOTAL	ESI TOMMAN	SWISSPROI	ESI HUMAN	EST_HUMAN
Top Hit Acession No.	3.0E-08 AI792737.1	3.0E-08 AL163246.2	3.0E-08 AI436352.1	3.0E-08 AF066068.1	3.0E-08 R18420.1	2.0E-08 AW302998.1	2.0E-08 AA425598.1	2.0E-08 AF198349.1	2.0E-08 AW886438.1		2.0E-08 BE280477.1	2.0E-08 AL163247.2	2.0E-08 BE734871.1	2.0E-08 AWZ70271.1	2.0E-08 K00216.1	042280		2.0E-08 AW813620.1	2.0E-08 U82608.1	2.0E-08 AA469040.1		2.0E-08 AW572881.1	2.0E-08 AA813204.1	711100000114	2.0E-08 AWU68924.1		2.0E-08 AA490121.1	2.0E-08/AU139978.1
Most Similar (Top) Hit BLAST E Value	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	20E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08	2.0E-08 042280	2.0E-08 042280	2.0E-08	2.0E-08	2.0E-08		2.0E-08	2.0E-08	00 100	2.0E-08	2.05-08	Z.OE-US	2.0E-08
Expression Signal	423	1.41	3.85	0.57	2.76	10.54	8.83	1.3	8.73	87.6	47	1.83	1.87	3.57	1.7	8.15	8.15	1.62	99.0	12		297	1.26		0.98	1.89	1.47	0.77
ORF SEQ ID NO:	31245							26492	28851	26652		27350				29200	29201		30033				31992			ı	34829	
SEQ ID	18399		20862				13330	13569			14041	14381	14784	14897	15552		16276	16912	17138			18009	18813				21416	
Probe SEQ ID NO:	7168	7877	8025	10258	12157	287	8X	497	<b>8</b> 8	<b>88</b>	885	1346	1765	1872	2550	322	325	3873	4104	484		4994	5719		2832	8337	8447	9440

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SINGIO EXON Propes Expressed in both watrow	Most Similar ORF SEQ Expression (Top) Hit Acession Detabese ID NO: Signal BLAST E No. Scurce	37310 0.8 2.0E-08 N78097.1 EST_HUMAN   LTR1.b3 LTR1 repeditive element;	0.8 2.0E-08 N78097.1 EST_HUMAN	1.88 2.0E-08 AL163284.2 NT	2.0E-08 11431676	P31792 SWISSPROT	2.12 1.0E-08 AF125348.1 NT	2.49 1.0E-08 BE141959.1 EST_HUMAN   PMZ-HT0130-160968-001-f12 H10130 Home sapiens culva	1.0E-08 BE246844.1 EST_HUMAN	ç	4 F 4 OF OR A IO1770 4 INT	34250 0.98 1.0E-08 P19474 SWISSPROT	94740 0 47 1 0E-08 AI 163302 2		34852 0.56 1.0E-08 AF224659.1 NT	000	EST HUMAN	O 46 1 OF-08 POSSES SWISSPROT	1 OF OR RE072572 1 EST HUMAN		36728 0.81 1.0E-08 P79110 SWISSPROT	37357 0.67 1.0E-08 P98063 SWISSPROT	3.4 1.0E-08 AF044083.1 NT	38802 1.5 1.0E-08 P28315 SWISSPROT	38603 1.5 1.0E-08 P28315 SWISSPROT	3.12 1.0E-08 X51755.1 NT	1.68 1.0E-08 X51755.1 NT	30179 4.15 9.0E-09 AL163279.2 NT	30180 4.15 9.0E-09/AL163279.2 NT	0.53
		37310	37311			27613	27804		29/81	8	24047	34380	94740	P. A.	34852	500	34635	20000	25070	2	36728	37357	38149	38602	38603		_	30179		
	Exan SEQ ID NO:	23808	J				L	L		L	1	_L	2000		21435		27483		L		23249	l	L	L	1.	1	<u></u>	L	<u> </u>	Ш
	Probe SEQ ID NO:	10886	10886	12472	12082	1510	1780	2067	3208	1	2200	Soso		8	8466		8 8	7800	9000	8	10325	10921	11644	Š	12/2	1256	12040	4271	4271	10422

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Top Hit Descriptor	qu88c11x1NCI_CGAP_Gas4 Homo sepiens cDNA clone IMAGE:19789643" similar to contains L1.13 L1 repetitive element;	qd42s07.x1 Sceres_fetal_heart_NbHH19W Homo capiens cDNA clone IMAGE:1732164 3' similar to contains MSR1.t1 MSR1 repetitive element;	CARD-NIN1004-100300-273-608 NIN1004 Homo septems cDNA	op74d08.s1 Soares_NFL_T_GBC_S1 Hamo sapiens cDNA clane IMAGE::15825/53	Homo saplens DNA for 3-ketoscyl-CoA thiolasse beta-subunit of mitochondrial trifunctional protein, exon 2, 3	Human familial Abhelmer's disease (STM2) gene, complete cds	745610.x1 Sogres_NSF_FB_9W_OT_PA_P_S1 Hamo septens cDNA dane IMAGE:3524443 3' samuar to contains MER29.b2 MER29 repetitive element;	2780c05.rf Soares_NhHMPu_S1 Homo sepiens cDNA clone IMAGE:081892.5' simiter to conteans L1.12 L1. In Incomitive element:	Human histograms mambrane divocordish-2 (LAMP2) gene, 6' end and flanking region	601111173F1 NIH MGC 16 Hamp saplens cDNA clone IMAGE:3351834 5	1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	258e07.s1 Sceres retina N204HK Homo septens quiva dans invast	ye58412.s1 Sogres fetal liver spiesn 1NFLS Homo separats CLIVA Carle IMANCE. 121916 3	DKFZp484C0514_r1 434 (synonym: risess) Homo sapiens Guna Guna Cun tertorous 1 + 5	n/17a/1.st NCI_CGAP_HSC1 Homo septens dONA cione IMAGE::1040924 similar to contains L1.12 L1 repetitive element ;	PM1-HT0527-160200-001-h05 HT0527 Homo seplens cDNA	xn85h08.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2701311 3	MR3-HT0446-280300-201-h12 HT0448 Homo saplens cDNA	Homo sapiens fibrobiast growth factor receptor 3 (achondropiasia, thanatophoric dwarfism) (FGFR3) mRNA	Homo saptens testis-specific kinase substrate (TSKS) gene, complete ods	RC2-HT0252-120200-014-h10 HT0252 Homo septens cDNA	Homo sapiens chromosome 21 segment HS21C084	EST68746 Fetal fung II Homo sapiens cDNA 5' end	Human germline T-cell receptor beta chain Doparnine-beta-hydroxylase-like, TRY1, TRY2, TRY3, TCRBV27S1P, TCRBV22S1A2N1T, TCRBV13S3, TCRBV27S1P, TCRBV7S3A2T, TCRBV13S3A2T, TCRBV13S3A2T, TCRBV13S3A2T, TCRBV13S3A2T, TCRBV13SA	TCRBV13S8/13S>
Top Hit Detabase Source	EST_HUMAN		EST HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	NAMI ILI TOG	TA TOWN	ECT LIMAN		EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ę	Z	EST_HUMAN	Į,	EST_HUMAN		2
Top Hit Acession No.	8.0E-09 AI270615.1	V183500.1	8.0E-09 AW900159.1	8.0E-09 AAB38892.1	386842.1	J50871.1	7.0E-09 BF108765.1	4 0000004	7.0E-09 AA230200.1	7.0E-09 LD9/09.1	3E23403U.1	7.0E-09 AA058628.1	7.0E-09 T97960.1	6.0E-09 AL040439.1	6.0E-09 AA557940.1	6.0E-09 BE169421.1	6.0E-09 AW 195784.1	8.0E-09 BE161653.1	4503710 NT	6.0E-09 AF200923.2	5.0E-09 BE149264.1	5.0E-09 AL163284.2	5.0E-09 AA359454.1		5.0E-09 U66059.1
Most Similar (Top) Hit BLAST E Value	8.0E-09/	8.0E-09/	8.0E-09	8.0E-09	7.0E-09 D86842.1	7.0E-09 U50871.1	7.0E-09	10 1	105-02	7.0E-09 [D9/08.1	(.OE-08)	7.05.09	7.0E-09	6.0E-09	6.0E-09	6.0E-09	6.0E-09	8.0E-09	6.0E-09	8.0E-09	5.0E-09	5.0E-09	5.0E-09		
Expression	8	7.87	304	2.64	1.91	1.22	0.56		P8:0	3.00	L'L	65.0	3.65	96.0	0.98	5.44	9.56	0.88	2.12	4.42	4.43				0.59
ORF SEQ ID NO:		33801							1		36800				28980						27418				31277
Exam SEQ ID NO:	19888	ال				L			_1	22559		L	1	15178			L.		1	23561			1	1	18357
Probe SEQ ID NO:	8638	7470	8833	8840	3621	4034	8234		8382	88(5	10543	10741	11032	2162	4059	5017	5464	8922	989	10639	1413	1870	6550		7025

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Table 4
Single Exon Probes Expressed in Bone Marrow

	Ταρ Hit Descriptor	OLFACTORY RECEPTOR-LIKE PROTEIN CORS	PM2-UM0053-240300-005-c09 UM0053 Homo saplens cDNA	Homo sapiens chromosome 21 segment HS21C082	Homo sepiens chromosome 21 segment HS210085	Homo saplens hypothetical proteth (AFC38169), mRNA	Homo sapiens eukeryotic initiation factor 4AI (EIF4A1) gene, partial cds	Homo sepiens eukaryotic initiation factor 4AI (EIF4A1) gene, pertial cos	EST58385 Infant brain Homo sapiens CDNA 5' end similar to similar to near shock protein, evidor	2W04c06,r1 Sogres NitriMPU S1 Horno Septens GLINA GATIS INVASE, 100,200 3	yd11607.s1 Soares fefai liver spieen 1NFLS Homo sapiens CLIVA dans invalce 2000-4-3	hu09e09.X1 NCI_CGAP_Lu24 Homo septens cDNA cione IMAGE:31051.20 3 similer to contents mich 10.35 MER18 repetitive element ;	hundeng x1 NCI CGAP Lu24 Horro septens cDNA clone IMAGE:3166120 3' similar to contains MER18.t3	MER18 repetitive element;	PROTEIN MOV-10	M09e09.X1 NCI_CGAP_LI24 Homo sapiens cDNA clone IMAGE:31961.20 3 similar to contains mer local	MER18 repetitive element;	ZYSABJALT Sogres, testis, Intil Homo separas dura minatom, 121 422 o	H. septemb PAUPIKP-1 gene for NAU(+) AUT-mosymmens enesse	Homo sapiens eutenyotic initiation tector 4AI (EII-4AI) gene, peruel cos	258.1 KDA PROTEIN CZYORFS (KIAAUSKS)	Homo sepiens DNA for 3-lectoacy-CoA thiolesse beta-subunit of mitochondrial trifunctional protein, exen 2, 3	hasoeozki NCL_CGAP_Kid11 Hamo sepiens cDNA clane IMAGE:3194090 3' similar to 1 K.Obavst 065091 IMPACT PROTEIN ;	Hamo sapiens chromosame 21 segment HS21C047	7172-08 x1 Scares_NSF_F8_8W_OT_PA_P_31 Homo sepients dDNA clone IMAGE:3527030 3	7172c08.x1 Scares_NSF_F8_9W_OT_PA_P_S1 Homo septens dDNA done IMAGE:3527030 9	H. sepiens PADPRP-I gene for NAD(+) ADP-ribosylfransferase	Homo sepiens chromosome 21 segment HS210084	DKFZp76181710_r1 761 (synonym: hamy2) Homo sapiens cDNA cione DKFZp76151710 5	258.1 KDA PROTEIN CZłokie (Kladusca)	BRAIN-SPECIFIC ANGIOGENESIS INTIBILION 2 FACE OF SON	CONTRACT SOME STATE OF THE SOME STATE STAT
aten constitution sign	Top Hit Database Source	SWISSPROT	Г	Г	Ψ		NT.				EST_HUMAN	EST HIMAN	1	EST_HUMAN	SWISSPROT		HUMAN	T HUMAN		7	SWISSPROT	Ę	EST HUMAN	¥	EST HUMAN	EST HUMAN	IN	IN	EST_HUMAN	SWISSPROT	SWISSPROT	EST_HUMAN
T DIRING	Top Hit Acesslan No.	37071	5.0E-09 AW 799667.1	4.0E-09 AL163282.2	4.0E-09 AL163285.2	9558718 NT	4.0E-09 AF175325.1	4.0E-09 AF175325.1	4.0E-09 AA350878.1	4.0E-09 AA485747.1	4.0E-09 T64942.1	8 OF 00 DE2222804	0.00000	3.0E-09 BE222239.1	P23240		3.0E-09 BE222239.1	3.0E-09 AA442272.1	3.0E-09 X16674.1	3.0E-09 AF175325.1	3.0E-09 Q9Y3R5	3.0E-09   D86842.1	3 OF-09 BE 465780.1	3.0E-09 AL 163247.2	3.0E-09 BF109943.1	3.0E-09 BF109943.1	2.0E-09 X16674.1	2.0E-09 AL 163284.2	2.0E-09 AL118573.1	2.0E-09 Q9Y3R5	2.0E-09 O60241	Al263479.1
	Most Similar (Top) Hit BLAST E Value	5.0E-09 P37071	6.0E-09/	4.0E-09/	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	00 20 0	3.05	3.0E-09	3.0E-09 P23249		3.0E-09	3.0∈-09	3.0E-09	3.0E-09	3.0Ё-09											
	Expression Signal	0.5	2 63	1.81	278	279	1.83	1.63	2.87	99.0	99'0		97.4	1.39	1.03		1.15	0.79	0.69	3.77	3.44	680					10.64			2.58		1.65
	ORF SEQ ID NO:	35326	028870			27472		28076	28461	34556		<u>.</u>	28889	28579	ļ		29312			30371			24807					27261		28368		79977
	Exan SEQ ID NO:	21808		$\perp$		1	L	1				<u> </u>	1536/	15561	<u> </u>	L	16391	16437		17483		1		22534	L	L	1_	Į	1	Ĭ.,	L	17077
	Probe SEQ ID NO:	8022	40466	200	8	1485	2038	2038	2436	8179	8867		2238	2560	2859		3340	3388	4124	4457	4540	5225		10830	44284	11301	E E	1383	1687	2334	3958	4039

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						miles to contains						Alu repetitive							ains MER12.12	hhibitory					liar to contains	contains Alu						to confains	
	Top Hit Descriptor	Human transposon-like element mRNA	0447b09.s1 Sceres_testis_NHT Homo sepiens cDNA clone IMAGE:1619897.3'	Homo sapiens chromosome 21 segment HS21C049	EST68142 Kitchey IX Homo sapiens cDNA 5' end similar to EST containing L1 repeat	2463h06.r1 Soares_total_fetus_Nb2HF8_9w Homo sepiens cDNA clone IMAGE:786187 5' similar to contains	Alu repetitive element;	52411 Human retina cDNA randomly primed sublibrary Homo sapiens cDNA	MR1-CT0352-240200-105-b08 CT0352 Homo septiens cDNA	Homo sapiens Xq pseudoautosomal region; segment 1/2	H.sapiens PADPRP-I gene for NAD(+) ADP-tibosytransferase	nc11c02.r1 NC_CGAP_Pr1 Homo septems cDNA clone IMAGE-1007810 similar to contains Alu repetitive	element	x98e02.x1 NCI_CGAP_Kid11 Hamo sepiens cDNA dane IMAGE:2788234 3'	Homo sepiens shox gene, alternatively spliced products, complete cds	Homo sepiens CCAAT-box-binding transcription factor (CBF2) mRNA	Homo septens CCAAT-box-binding transcription factor (CBF2) mRNA	Hamo sepiens 859 kb cantig between AML1 and CBR1 on chromosome 21q22; segment 1/3	qy64e11.x1 NCI_CGAP_Bm25 Homo sepiens cDNA clone IMAGE:2016812 3' similar to contains MER12.t2 IMER12 mostifile element:	Home seriens basic transcription factor 2 p44 (bt/2p44) pene. partial cds. neuronal apoptosis inhibitory	protein (naip) and survival motor neuron protein (smm) genes, complete cds	Homo sapiens nucledar phosphoprotein B23 (NPM1) mRNA, complete cds	Homo sapiens nucleotar phosphoprotein B23 (NPM1) mRNA, complete cds	601058802F1 NIH_MGC_10 Hamo sepiens cDNA clone IMAGE:3445177 5	Zh36b03.s1 Soares pineal_gland_N3HPG Homo sapiens cDNA clone IMAGE:414029 3' strailer to conteins Air reconfiltae alement conteins element MFR22 recotifine element:	The reporter of control of the contr	repetitive element contains MER28 repetitive element;	Homo eaplens chromosome 21 segment HS21C083	Human breakpoint cluster region (BCR) gene, complete cds	CIRCUMSPOROZOITE PROTEIN PRECURSOR (CS)	AV728845 HTC Homo septens cDNA done HTCBIG07 5	wd3905.x1 Sogres NR_T GBC 31 Homo septens cDNA clone IMAGE:2330481 3' similar to contains	MER25.t1 MER25 repeditive element;
	Top Hit Database Source	M	<b>EST_HUMAN</b>	Ę	EST HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	NI	NT		EST_HUMAN	EST_HUMAN	IN	ᅜ	۲	NT	EST HIMAN		Z	Z	¥	EST_HUMAN	NAME TO FOR	NAMOL ICE	EST HUMAN	Ę	Ę	SWISSPROT	EST HIMAN	LO I DIMETE	EST_HUMAN
	Top Hit Acession No.	A23161.1	2.0E-09 A1004062.1	2.0E-09 AL163249.2	2.0E-09 AA357407.1		2.0E-09 AA461430.1	V 28834.1	2.0E-09 AW862128.1	2.0E-09 A.IZ71735.1	(16674.1		2.0E-09 AA226070.1	2.0E-09 AW301637.1	J82668.1	5031624 NT	5031624 NT	1.0E-09 AJZ28041.1	4 OE 00 A 18 E8 18 8	Thomas I	J80017.1	V28699.1	W28699.1	1.0E-09 BE535440.1		1.0E-09 AA/18/28/.1	TB0246.4	4 NE-NO AI 183783 2		226604	1.0E-09 F 2000F	4V / 200-10, 1	1.0E-09 AI688474.1
-	Most Similar (Top) Hit BLAST E Value	2.0E-09 M23161.1	2.0E-09	2.0E-09	20E-09/		2.0E-09/	2.0E-09 W28834.1	2.0E-09	2.0E-09	2.0E-09 X16674.1		2.0E-09/	2.0E-09 /	2.0E-09 U82668.1	1.0E-09	1.0E-09	1.0E-09	90	וייר	1.0E-09 U80017.1	1.0E-09 M28699.1	1.0E-09 M28699.1	1.0E-09		1.01-08/	1 0F-00 TR0248 1				100 100	ויסבים.ו	
	Expression Signal	0.68	0.69	0.65	0.8		7.6	0.63	0.82	225	22.38		1.67	1.47	1.98	1.1	1.1	0.91	•	2	1.83	4.07		0.89		2,63	780	280	1 35			0.03	0.87
	ORF SEQ ID NO:	31081					34008			35452						27/05					28878		I	28022			24050					34449	35127
	SEQ ID	18207	1_		20174		20642	20719	21063	22028	13871		25975	25829	25402	14155	14155	14670	75.7	21001	15959	1_	15995	1 _	<u> </u>	17853	40474	1	$\perp$	L	⊥	21050	21701
	Probe SEO ID NO:	5198	2808	6273	6047		788	7768	8128	8082	12705		12772	12778	12913	1111	111	1638	350		2800	7887	2837	3051		888	200	2010				8113	8733

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Single Exon Probes Expressed in Bone Manow	Top Hit Descriptor	Homo sepiens chromosome 21 segment HS210083	Homo septens chromosome 21 segment HS210083	Homo sapiens GTP binding protein 1 (GTPBP1), mRNA	ye24e05.r1 Strategene lung (#837210) Homo sepiens cDNA done IMAGE:118988 5	MR0-SN0040-050500-002-07 SN0040 Homo sapiens cDNA	we78h03.xt Soeres_Dieckgraefe_coton_NHCD Homo sapiens cDNA clone IMAGE:2347253 3' similar to SW:RL 29_HUMAN P47914 60S RIBOSOMAL PROTEIN L29_contains element PTR5 repetitive element;	646t09.x1 Sogres_NSF_FB_9W_O1_PA_F_S1 Homo septens cunn cone invacer_s144557 S siniae in TR:000372 000372 PUTATIVE P160.;	Homo septens MCM4 (MCM4) and DNA-PKcs (PRKDC) genes, partial cds	QV1-BT0631-150200-071-f01 BT0631 Hamo sapiens cDNA	EST88564 Small Intestine I Homo septems cDNA 6 and	Homo sepiems lens mejor intrinsic protein (MIP) gene, complete cos	Homo sepiens TPA inducible protein (LOCS/1585), mKNA	Homo sepiens TPA inducible protein (LOC5/586), mRNA	LYSP100 PROTEIN (LYMPHOID-RESTRICTED HOMOLOG OF SP100)	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	H. saplens DHFR gene, excn 3	EST5/247 Gell bladder II Hamo Septens CLINA 5 Gnd	1(3-HT06fg-11070C-20g-U12 HT00fg Home squars dunk	DAM-DIRECTED RIVE POLYMERASE II LANGEST SCHOOL!	Homo sepiens presentin-1 gene, excris 1 and 2	Homo septems presentiting gene, excess 1 and 2	Homo sapiens MALCS/MELF2-termity dranscription record (MELF20) resorts well-through the Control of the Control	Hamo sapiens ASCLS gene, CECEP1 gene, C11an14 gene, C11an10 gene, C11a110 gene en C11a111	gate	#02007.X1 NCI_CGAP_PT28 Figure 8 GUNA GRAP INVOICE COSULE 5	RC3-C10254-031066-012-g12-C10254-Figure Squass Gurd	E-SELECTIN PRECURSOR (ENDO HELPAL LEUNOCT LE ALMESION MOLECULE 2) (LECAM2) (CO02E) (LEUKOCYTE-ENDOTHELIAL CELL ADHESION MOLECULE 2) (LECAM2) (CO02E)	E-SELECTIN PRECURSOR (ENDOTHELIAL LEUROCYTE ALMESION MOLECULE 1) (ELAMF) (LEUROCYTE-ENDOTHELIAL CELL ADHESION MOLECULE 2) (LECAM2) (CD62E)	ENTEROPEPTIDASE PREGURSOR (ENTERORINASE)
Xon Probes E	Top Hit Database Source	¥	NT TN	M		EST_HUMAN N	EST_HUMAN S	EST_HUMAN 1	Ę	EST_HUMAN (	EST HUMAN	NT				SWISSPROT	╗	ヿ		ISSPROT			¥		Т	T	EST HUMAN	SWISSPROT		SWISSPROT
Single	Top Hit Acesstan No.	1.0E-09 AL163283.2		1418127	TB3176.1	9.0E-10 AW867740.1	9.0E-10 AI870071.1	9.0E-10 AH52982.1	8.0E-10 U63630.2	8.0E-10 BE080748.1	8.0E-10 AA376832.1	8.0E-10 U36308.2	7706225 NT	7706225 NT	Q13342	P08547	7.0E-10 X00858.1	7.0E-10 AA345220.1	7.0E-10 BF352883.1	P35084	7.0E-10 AF029701.2	7.0E-10 AF029701.2	7.0E-10 L08895.1		8.0E-10 A.1400877.1	6.0E-10 AI424405.1	6.0E-10 AW863719.1	6.0E-10 P33730	6.0E-10 P33730	8.0E-10 P98073
	Most Similar (Top) Hit BLAST E Vatue	1.0E-09	1.0E-09	1.0E-09	1.0E-09 TB3176.1	9.0E-10	9.0E-10	9.0E-10	8.0E-10	8.0E-10	8.0E-10	8.0E-10	7.0E-10	7.0E-10	7.0E-10 Q13342	7.0E-10 P08547	7.0E-10	7.0E-10	7.0E-10	7.0E-10 P35084	7.0E-10	7.0E-10	7.0E-10		6.0E-10	8.0E-10	6.0E-10	6.0E-10	6.0E-10	8.0E-10
	Expression Signal	2.87	1.53	201	1.6	249	6.64	422	12.13	0.78	3.69	248	32.88	32.88	2.48	21.64	2.86	3.72	1.2	1.48	1.29	1.20	0.68		2.67	1.37	2.72	0.80		
	ORF SEQ ID NO:			31425		27314	28830	33449	28189	L			28898				29072		33973	L	34688		37092		28822	28700		35527		
	Exam SEQ ID NO:	23599	24963	1	1_	1_	L		13251	16404	17258			1	1	ı	L			20861	L	1_	L	_	13969	15682				1
	Probe SEQ ID NO:	10877	12081	12818	12781	1312	2845	2002	148	3353	4229	10324	702	702	1626	2568	3104	88	7647	7918	8308	8308	10673		914	2686	4768	88	9135	0002

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Single Exon Probes Expressed In Bone Marrow

						Section of	
Probe SEQ ID NO:	SEQ ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Detabese Source	Top Hit Descriptor
12221	25058		1.64		6.0E-10 AW971923.1	EST_HUMAN	EST384012 MAGE resequences, MAGL Homo sepiens cDNA
781	L		5.01		5.0E-10 AL046804.1	EST_HUMAN	DKFZp434N219_r1 434 (synonym: htes3) Hamo sapiens cDNA clone DKFZp434N219 5
3489		29460	1.63		Q01033	SWISSPROT	HYPOTHETICAL GENE 48 PROTEIN
5026		30923	1.1		5.0E-10 AF181897.1	NT	Homo septens WRN (WRN) gene, complete cds
7544			1.74		5.0E-10 BF105159.1	EST_HUMAN	601822184F1 NIH_MGC_75 Hamo septens aDNA dane IMAGE:4042413 5
9894		36303	1.95	6.0E-10 P34678	P34678	SWISSPROT	HYPOTHETICAL 67.9 KD PROTEIN ZK688.8 IN CHROMOSOME III
1686	22847	38304	1.95	5.0E-10 P34678	P34678	SWISSPROT	HYPOTHETICAL 67.9 KD PROTEIN ZK688.8 IN CHROMOSOME III
111			1.27		4.0E-10 AI221083.1	EST HUMAN	eg09f09.x1 Soares_placerta_8to9weeks_2NbHP8to9W Homo saplens cDNA clone IMAGE:1759049 3' similar to contains LTR8.b2 LTR8 repetitive element;
583		26565			4.0E-10 AA515280.1	EST HUMAN	m84a01.s1 NCI_CGAP_Co3 Homo sapiens aDNA clone IMAGE:824848 3*
							hg58g03.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2849844 3' similar to contains Alu
2012	15033		1.4		4.0E-10 AW594709.1	EST_HUMAN	repeditive element,
2580	L	28600	5.49		4.0E-10 AL163303.2	Ŋ	Homo sapiens chromosome 21 segment HS21C103
	L						Homo sapiens mannosidase, beta A, Iysosomai (MANBA) gene, and ubiquith-conjugating enzyme E2D 3
7382	20352	33703	17.71		4.0E-10 AF224669.1		(UBE2D3) genes, complete cds
10555	23477	36971	0.53		4.0E-10 AW293243.1	EST_HUMAN	UI-H-BI2-eht-e-07-0-UI.s1 NCI_CGAP_Sub4 Hamo sepiens cDNA clane IMAGE:2727061 3"
10812			0.87		4.0E-10 AI267342.1	EST_HUMAN	eq63H11.x1 Stanley Frontal SN pod 2 Homo sapiens cDNA done IMACE:2035653
10933	23853	37368	0.45		4.0E-10 BE169208.1	EST_HUMAN	PM1-HT0621-120200-001-f08 HT0621 Home septens cDNA
10833	23853	37369	0.45		4.0E-10 BE169208.1	EST_HUMAN	PM1-HT0521-120200-001-408 HT0521 Homo sapiens cDNA
	L					1444111	yyS2006.s1 Sogres melanocyte 2ND-IM Homo sepiens cDNA clone IMAGE:272863 3' similar to contains
SIS SIS	⅃	42802			3.UE-10 N30113.1	TO TOWN	I I and the second of the seco
1363	⅃				3.0E-10 AY005150.1	Z !	Licino sabrieros con esta financiarios de la contractor d
4588					3.0E-10 AL163203.2	Z	Homo septems arrangement respirate concerns and respirate concerns are september and respirate concerns and respir
4568					3.0E-10 AL163203.2	¥	Homo sapiens chromosome ZI segment HSZTCUUS
6630			1.06		3.0E-10 N50109.1	EST_HUMAN	yz11g08.s1 Scenes_multiple_sciencsis_ZNDHMSP Homo septens cUNA cione IMAGE-Z82/82.3
6827	19397		4.03		P20350	SWISSPROT	RHOMBOID PROTEIN (VEINLET PROTEIN)
6488	19651	L	3.08		3.0E-10 BE302970.1	EST_HUMAN	ha76d08.y1 NIH_MGC_20 Homo saptens cDNA clone IMAGE:2806319 5"
8038		34367	1.42		3.0E-10 AV743302.1	EST_HUMAN	AV743302 CB Homo saplens dDNA dane CBFBGD08 5
8036		34368	1.42		3.0E-10 AV743302.1	EST_HUMAN	AV743302 CB Hamo septiens cDNA clane CBFBCD08 5
							ys74b12.s1 Sogres retina N2b4HR Homo sapiens cDNA clone IMAGE:220511 3' similar to contains MER29
8087	22048		1.04		3.0E-10 H87208.1	EST_HUMAN	repolitive element;
9404			1.8		3.0E-10 AW860731.1	EST_HUMAN	L3-CT0219-160200-064-B06 CT0219 Homo septems cDNA
9404	22369	35804	1.8		3.0E-10 AW850731.1	EST_HUMAN	IL3-CT0219-160200-064-B06 CT0219 Homo sepiens cDNA

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Table 4
Single Exon Probes Expressed in Bone Marrow

		}			albuic	CXOII FIOUGO	Single Exon Probes Expressed in Done wanton
Probe SEQ ID NO:	M	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
88	22849		0.73		503.1		Homo saptens FRA3B common fragile region, diadenosine triphosphate hydrolesse (FHIT) gene, exon 6
10828	_		2.05		T65891.1		yc11e12.r1 Strategene fung (#83/210) Home septems curve dans inverseuse 3
10957			1.76		3.0E-10 AA766294.1	T	nzzagus si NCI "Cigal" "GCB1 fignis saparis GUMA GMIB IMAGE. Izosoo o
12865	1_	31728	1.95		3.0E-10 BE179517.1	╗	(134) (618-110500-130-20/ n 100 to number of the contract of (CENPLR)
37		L	1.55		2.0E-10 P48988	SWISSPROT	MAJOR CENTROMERE AUTOANTIGEN B (CENTROMERE PROTEIN B) (CENE S)
37			1.56		2.0E-10 P48988	SWISSPROT	MAJOK CENTRUMERE ACTORNITIES B (CENTRUMENE 110) Entrol Control Entruments Shiftiffer
1913	l .		1.88		U80017.1	NT	Homo septems basic transcription ractor 2 ptv (outptv) years, preuse co., increase protein (natp) and survival motor neuron protein (smn) gases, complete cos
288			0.68		2.0E-10 BF675047.1	EST_HUMAN	602136640F1 NIH JMGC 83 Homo septiens cuiva cione ilways. 4275377 3
9	1_		3.12		Q28640	SWISSPROT	(HPRG)
		0000			AF290407 4	Ę	Homo sapiens cytochrome P450 polypeptide 43 (CYP3A43) gene, partiel cos; cytochrome P450 polypeptide 7 (CYP3A7) genes, complete cds; and cytochrome P450 polypeptide 7 (CYP3A7) genes, complete cds; and cytochrome P450 polypeptide 5 (CYP3A5) gene, partiel cds
8/83 28/82	1944/				2.0E-10 BE791082.1	EST_HUMAN	801588208F1 NIH_MGC_7 Hamo septens cDNA clans IMAGE:3940824 5
8347	╝.				2.0E-10 P26809	SWISSPROT	POL POLYPROTEIN (CONTAINS: PROTEASE; REVERSE (KANSCRIP IASE; REDOMINGER HI
8347					P26809	SWISSPROT	POL POLYPROTEIN (CONTAINS: PROTENSE; REVENSE I INVINCANT TASE; INDONOCES 11
1980				Ì	2.0E-10 BF434585.1	EST_HUMAN	7078d08x1 NC_CGAP_Kid11 Homo expens GJNA cicina INA/SE.3042303 3 strinki io currents Ellish in repetitive element;
1509	1		2.94		1.0E-10 AW867767.1	EST_HUMAN	MRO-SN0038-280300-001-f01 SN0038 Homo sapiens curva
1814	L	27819			1.0E-10 AV652123.1	EST HUMAN	AV652123 GLC Homo sapiens culva dane GLCCAA11 3
2588	1				1.0E-10 AW852001.1	EST_HUMAN	QV0-CT0225-191199-058-608 C10225 Hamp septems CLVNA
3511	1_	29481			1.0E-10 AW832912.1	EST_HUMAN	QVZ-110003-161189-013-g10 110005 nullib septents CNVA dama DKFZ0434N1317 5
3550	16596	25	0.81		1.0E-10 AL041685.1	EST HUMAN	UNITED STATES IN THE SECTION TO SECTION SECTIO
3858	16598	-	0.94		AL041685.1	EST_HUMAN	UKI-ZDASAN1317_T1 4-44 (synonym: mess) months och control och cont
4043	17081		6.46	1.0E-10 AF21	AF213884.1	ĸ	Portion separation included internal control of the
		200			0 US2111.2	<u> </u>	Homo sapiens X28 region neer ALD locus containing dua specificity prospirates 9 (UCAP9), industrial protein L18a (RPL18a), Ca2+/Catinodutin-dependent protein kinase I (CAMKI), crediine transporter (CRTR CDM protein (CDM), adrendeukodystrophy protein >
\$	L						Hamo sapiens X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal
	7408		555	1.05-10 U521	0 052111.2	Ż	protein L18e (RPL18a), Ca2+/Catmodulin-dependent protein kinase I (CAMKI), creatine transporter (CKTF COM protein (CDM), adrendeulodystrophy protein >
8	1.				4 OF-10 AR031069 1	노	Homo sapiens PCCX1 mRNA for protein containing CXXC domain 1, complete cds
4160	17191	nama L			- Company		

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Table 4
Single Exon Probes Expressed in Bone Marrow

		1704 F 01 -1 - 11 - 4 - 0 - 1 - 1 - 1	4/015 5 Smiler to contents		oon 2 and flanking repeat					similar to contains L1.tf L1		4A done IMAGE:548314 6"	IMAGE:1672661 3'	B2 and RING8, 9, 13 and 14			547D225 5	547D225 5	547D225 5	547D225 5	70297 3'				lone GEN-506B08 6"	E:172173 3' similar to contains		∋E:256298 3°		similar to contains MER10.t1		
Top Hit Descriptor	Human pregnancy-specific dycoprotein beta-1 (SP1) mRNA, last excn	OCHOTH I THE THE PRINCIPLE OF THE PRINCI	Weczula XI Scarce_NFL_1_GEC_S1 Homo septens CLINA CONE IMAGE::234/010 3 smiller to comeans [MER31.t1 MER31 repetitive element;	Inq81a05.s1 NCI_CGAP_Cc9 Homo septens cDNA clone IMAGE:1158704 3'	Homo sepiens X-linked anhidrotibe ectodermal dysplasia protein gene (EDA), exan 2 and flanking repeat	INE A PEVERSE TRANSCRIPTAGE HOMOLOG	ALI MODE OF THE WATER OF THE PROPERTY OF THE P	AUTOSOM NIZANZ MUIDI SEDERIS GANA GUIBINI ZANZANJI S	fB_6A4 Fetal brain library Homo sapiens cDNA	qm04e10.x1 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1880874 3' similar to contains L1.t1 L1	repemve etement;	223908.11 Stratagene neuroepithelium NT2RAMI 937234 Homo sepiens cDNA clone IMAGE:548314 6	oyeshos.x1 Soares_fetal_liver_spleen_1NFLS_S1 Hamo sapiens cDNA clane IMAGE:1672681 3	H. sapiens DMA, DMB, HLA-21, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8, 9, 13 and 14	genes	1L2-HT0203-291099-016-c08 HT0203 Hamo sapiens cDNA	DKFZp547D225_r1 547 (synonym: hfbr1) Homo sapiens cDNA clone DKFZp547D225 5	DKFZp547D225_r1 547 (synonym: hfbr1) Homo sapiens cDNA clone DKFZp547D225 5	DKFZp547D225_r1 547 (synonym: hfbr1) Homo saplens cDNA clone DKFZp547D225 5	DKFZp547D225_r1 547 (synonym: hfbr1) Homo sapiens cDNA clone DKFZp547D225 5	ee78f01.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE-970297 3'	RC6-BT0627-140200-011-E06 BT0627 Homo sapiens cDNA	EST27872 Cerebellum II Homo sapiens cDNA 5' end	EST27872 Carebellum If Homo sapiens cDNA 5' end	C18635 Cloritech human acrta polyA+ mRNA (#6572) Homo sapiens cDNA clone GEN-606908 6	yn53f11.s1 Soares adult brain N2b5HB55Y Homo sapiens cDNA clone IMAGE:172173 3' similar to contains	L1 repetitive element;	yw48e08.s1 Wetzmann Offactory Epithelium Homo sepiens cDNA done IMAGE:255298 3'	ba60g04.x1 NIH_MGC_10 Homo sepieris cDNA clone IMAGE:2900982 3'	M45h11.x1 NCI_CGAP_Bm50 Homo sapiens cDNA clone IMAGE:2621061 3' similar to contains MER10.t1 MER10 repetitive element;	EST34392 Embryo, 6 week I Homo saplems cDNA 6' end	
Top Hit Deficibase Source	5		EST_HUMAN	EST_HUMAN	Ę	CWISCODOT	OW ROST NO.	ESI HOMAN	EST_HUMAN		EST HUMAN	EST HUMAN	EST HUMAN		¥	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	
Top Hit Acession No.	1.0E-10 M30829.1		1.0E-10 AI797745.1	1.0E-10 AA631233.1	4 OE 40 A E002828 4	A CONTRACTOR	1.0E-10 F08348	4U1Z8384.1	1.0E-10 AW408990.1		1.0E-10 AI268340.1	1.0E-10 AA081868.1	1.0E-10 AI038280.1		1.0E-10 X87344.1	9.0E-11 BE145600.1	9.0E-11 AL134395.1	9.0E-11 AL134395.1	9.0E-11 AL134395.1	9.0E-11 AL134395.1	9.0E-11 AA775985.1	9.0E-11 BE079780.1	9.0E-11 AA324960.1	9.0E-11 AA324860.1	9.0E-11 C16835.1		8.0E-11 H19971.1	8.0E-11 N23712.1	8.0E-11 AW674316.1	AW106158.1	7.0E-11 AA330642.1	
Most Similar (Top) Hit BLAST E Value	1.05-10		1.0E-10	1.0E-10	96.40	2 20	1.05-10	1.0E-10	1.0E-10		1.0E-10	1.0E-10	1.0E-10		1.0E-10	9.0E-11	9.0E-11	9.0E-11	9.0E-11	9.0E-11	9.0E-11	9.0E-11	9.0E-11	9.0E-11	9.0E-11		8.0E-11	8.0E-11	8.0E-11	8.0E-11	7.0E-11	1
Expression Signal	263		0.92	0.64	9	97.0	B. G	0.63	1.11	,	1.1	3.95	3.25		2.46	0.98	6.21	6.21	26	2.6	0.72	3.89	122	122	4.59		8.85	4.35	0.65	0.65	1.87	
ORF SEQ ID NO:	1	1		33225	925.40	2578		34279	34968				37734			26282	28161	28152	29370	29371	30440		36834	36935	31809	-		30003	32170		77452	
SEO B NO:	17230		18221	19928	1	41700	2007	888	21550		7.988 888	23484	24211		18354	13357	16131	15131	16443	16443	17552	18750	23436	23436	25269		16190	17109	18978	19883	14475	A
Probe SEQ ID NO:	4190		5212	9289	38	1880		/94/	8582		9002	10562	11259		12166	38	2114	214	3394	3394	4528	<b>265</b> 2	10514	10514	12546		3133	4073	2860	688	1442	1

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Table 4
Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO: NO: 10590 105		8	Series	Most V V N	ALTITES ALTIGISE DE LA	Top Hit Detabase Source Source Source Source INT	Top Hit Descriptor  Homo sepiens WEE1 gene for protein kinase and partial ZNF143 gene for zinc finger transcription factor Homo sepiens SNCA leaform (SNCA) gene, complete ods, affermatively spliced RETROVIRUS RELATED POL POL YPROTEIN (CONTAINS: REVERSE TRANSCRIPTASE; ENDONIOLG EAST] Human madrix Gla protein (MAP) gene, complete ods AVZTRS69 HTC Homo seaplers chromosome ZI segment HSZ1CORS AVZTRS69 HTC Homo seaplers cDNA Humo seplens chromosome ZI segment HSZ1CORS HUMEZIOSORS HUMAN SECEPTOR NA HELICASE PRDZ HUMAN SECEPTOR NA HELICASE P
12736	25388	31752	1.56	4.0E-11	11545732 NT 6679077 NT	F F	Homo saptens SH3-domain binding protein 1 (SH3BP1), mTNA Mus musculus expressed in non-metastatic cells 2, protein (NM23B) (Nme2), mRNA
4305					AA30924 AH5050	EST HUMAN	EST180120 Liver, hapatocallular carchoma Homo sapiens cDNA 5 end q/39c04.x1 Scares_bestis_NHT Homo sapiens cDNA clone IMAGE-1752102.3' similar to contains MER10.t3 MER10 repetitive element;
98	14014	26967	1.48		2.0E-11 AH50502.1	EST_HUMAN	MER10 repetitive element;

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Single Exon Probes Expressed in Bone Marrow

ORF SEQ Expression (Top) Hit Top Hit Acession Detablese ID NO: Signal BLAST E No. Source	•	4.46 2.0E-11 R24807.1 EST_HUMAN	27187 4.46 2.0E-11 R24807.1 EST_HUMAN 1993-012.11 Scenes Infant brain 1NIB Homo septens cDNA chone IMAGE:35144 5	Gallus gallus (COR3'Deta (COR3'Deta) genes, complete cds	27625 6.86 2.0E-11   L17432.1 NT COR3 beta (COR3 beta) genes, complete cds	qc51c10.x1 Soares, pregnant, uterus, NIH-IPU Homo sapiens cDNA clone IMAGE:1713138 3' similar to labit 02832 PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR ALPHA (HUMAN); combains L1.11	27629 1.26 2.0E-11 A1128371.1 EST_HUMAN L1 repetitive element;	1.04 2.0E-11 AF087913.1 NT	8.7 2.0E-11 P10283 SWISSPROT	7.1 EST_HUMAN	0.71	80	2.0E-11 BE065537.1 EST HUMAN	2.0E-11 AL 163227.2 NT	EST_HUMAN	.1 EST_HUMAN	32758 1.71 2.0E-11 AA581028.1 EST_HUMAN P15938 PRE-MRNA SPLICING FACTOR RNA HELICASE PRP16.;	33722 0.82 2.0E-11 BF592945.1 EST HUMAN 7797-03.x1 NCI, CGAP, GC6 Homo sepiens cDNA clone IMAGE:3442565 3'	0.51	1.31 2.0E-11 AF029308.1 NT Homo sepiens chromosome 9 duplication of the T cell receptor beta locus and trypsinogen gene families	37065 4.42 2.0E-11 Q13608 SWISSPROT   QLFACTORY RECEPTOR \$11 (OLFACTORY RECEPTOR-LIKE PROTEIN OLF1)	0.85 2.0E-11 AW885874.1 EST_HUMAN	37306 0.85 2.0E-11/AW885874.1 EST_HUMAN   RC4-OT0072-170400-013-c11 OT0072 Homo septiens cDNA	1.54 2.0E-11 AA035369.1 EST_HUMAN	1.54 2.0E-11 AA035369.1 EST_HUMAN	2.0E-11 AA261958.1 EST_HUMAN	4.12 2.0E-11 AW842143.1 EST HUMAN RCO-CN0027-210100-011-c01 CN0027 Homo sapiens cDNA
		27186	27187	77624	27825		27629	28787	29189	20300	. 03820					32562	32758	33722		<del></del>	37065	37305	37306	37935	37836	37969	
Exam SEQ ID NO:	닉	1189 14229	1189 14229	<u>l</u>	1617 14849		1620 14663	L		3337 16388			L		4973 17988	<u> </u>	6443 19508	7401 20389		9678 22540		<u> </u>	L	1	11448 24391		12326 25128
SEQ ID		٤	۲		~		9	Z	8	88	8		4	*	4	8	8	Z	盎	88	É	ğ	É	Ě	7	Ť	12

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	CM2-TN0140-070900-372-g01 TN0140 Homo septems cDNA	Homo sapiens mRNA for KIAA0027 protein, partial cds	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	Homo sapiens SEC14 (S. cerevisias)-like 2 (SEC14L2), mRNA	Homo saplens SCL gene locus	Homo sapiens chromosome 21 segment HS210009	Homo sepiens chromosome 21 segment HS21C079	Homo sepiens PRC3078 mRNA, complete cds	OXYSTEROL-BINDING PROTEIN	Homo sepiens honogentisete 1,2-dioxygenese gene, complete ods	EST180186 Liver, hepatocellular carcinoma Homo sapiens cDNA 5 end similar to EST comaining Alu repeat	CMO-BN0105-170300-282-d12 BN0105 Hamo sapiens cDNA	ax65h06.s1 Soares_NhHMPu_S1 Homo sepiens cDNA clone IMAGE:1681243 3	Homo sepiens chromosome 21 segment HS210047	7p57d01.x1 NCI_CGAP_Pr28 Hamo sepiens cDNA clone IMAGE:36489453' shnilar to contains MER10.b3	MER 10 repetitive element;	Homo sepiens PTS gene for 6-pyruvoyitetratrydroptenth synthese, complete cds	Homo sapiens PHD finger protein 2 (PHF2) mRNA	y73d08_r1 Scares infant brain 1NIB Homo saplens cDNA clone IMAGE:28168 5	QV4-NN1149-250600-423-e03 NN1149 Homo septiens CDNA	QV4-NN1149-250900-423-e03 NN1149 Homo sepiens cDNA	602154807F1 NIH_MGC_83 Hamo sapiens cDNA clane IMAGE:4285877 5	PREGNANCY ZONE PROTEIN PRECURSOR	Homo sapiens chromosome 21 segment HS21C100	Homo sepiens chromosome 21 segment HS21C100	OKFZp58610417_r1 686 (synomym: huter) Homo septems CONA clone DKFZp58610417 5	IL 5-BT0578-130300-038-G12 BT0578 Homo sepiens cDNA	Homo sapiens Xq pseudoautosomal region; segment 2/2	34 KD SPICULE MATRIX PROTEIN PRECURSOR (LSM34)	223g01.s1 Scares_fetal_liver_splean_1NFLS_S1 Homo sapiens cDNA clone IMAGE:451152.3"	AV730554 HTF Hamo sepiens cDNA clans HTFAW F08 5	nz88f11.s1 NCI_CGAP_GCB1 Hamo sapiens cDNA done IMAGE:1302573 3' striliar to contains Aku repetitive element;
Top Hit Database Source	EST_HUMAN	IN	SWISSPROT	NT	TN	TN	NT	TN	SWISSPROT	N	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT		EST_HUMAN	N	M	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	EST_HUMAN	SWISSPROT	NT	NŢ	EST_HUMAN	EST_HUMAN	NT	SWISSPROT	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	2.0E-11 BF377859.1	2.0E-11 D25217.2	208547	11417968 NT	1.0E-11 AJ131016.1	1.0E-11 AL163209.2	1.0E-11 AL163279.2	1.0E-11 AF119914.1	P16258	1.0E-11 AF000573.1	1.0E-11 AA308318.1	1.0E-11 BE004315.1	1.0E-11 AI168625.1	1.0E-11 AL163247.2		1.0E-11 BF222646.1	1.0E-11 AB042297.1	4885546 NT	1.0E-11 R13174.1	1.0E-11 BF365119.1	1.0E-11 BF365119.1	1.0E-11 BF680078.1	P20742	9.0E-12 AL163300.2	9.0E-12 AL163300.2	9.0E-12 AL046939.1	8.0E-12 BE074720.1	8.0E-12 AJZ71738.1	0,05904	7.0E-12 AA704736.1	6.0E-12 AV730554.1	6.0E-12 AA732516.1
Most Similar (Top) Hit BLAST E Value	2.0E-11	2.0E-11	2.0E-11 P08547	2.05-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11 P16258	1.05-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11		1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	9.0E-12 P20742	9.0E-12	9.0E-12	9.0E-12	8.0E-12	8.0E-12	7.0E-12 Q05904	7.0E-12	6.0E-12	
Expression Signal	2.14	1.49	1.88	3.68	0.83	1.89	4.66	2.95	1.41	3.18	1.15	0.8	1.01	14.43		0.77	0.51	3.36	4.18	1.18	1.18	1.48	0.82	1.02	1.02	2.85	. 0.92	3.22	1.46	7.41	0.95	9.29
ORF SEQ ID NO:	31854				26687				28091		20282			L		32212		34928				38120	L	36558	36559				30605			30283
SEO ID NO:	25148	25313	25399	١	L	13844	14259	14531	15072	15153	15186		<u> </u>	18608	L	19017	21049	21511	21894	22368	22368	L	16021	23082		ŀ	_		L	_	L	
Probe SEO ID NO:	12354	12817	12754	13070	229	Ş	122	1498	2053	2136	2470	3510	6969	5405		5831	8112	8543	88928	9403	<b>8</b>	11619	2963	10157	10157	12075	888	12407	4690	11677	3558	4375

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Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Homo sepiens FRA3B common fragile region, diadenosine triphosphate hydrolase (FHIT) gene, exan 5	Morane severills myosin heavy chain FMSA (FMSA) mRNA, complete ads	od10g11.s1 NCL_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1367588 similar to conteins Mich23.02. MER29.repetitive element;	EST04462 Fetal brain, Stratagene (cat/836206) Homo sapiens cDNA clone HFBDV33	to 2005, yi N.C. CGAP BIR52 Homo sapiens cDNA clone IMAGE: 2291217 6	Homo sepiens Xq pseudoautosomal region; segment 2/2	Homo sepiens chromosome 24 segment HS2103/8	Homo sepiens chromosome 21 segment HS21C078	EST386850 MAGE resequences, MAGN Homo sapiens CUNA	DKFZp434B1615_s1 434 (synonym: fites3) Homo capiens CUNA cidnis UNT4p434B1615 3	DKFZp434B1615_s1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434B1616 s	201912.s1 Sogree_fetal_heart_NbHH19W Homo septens cDNA clone IMAGE:375718 3' stritter to contains	LIES L'I repounte cerneur,	RC1-010086-220300-011-007 010088 Hamo septems curve	DKFZp454,0426_r1 434 (synonym: mess) mano squans curva came dar chromonico o	Homo sapiens Xq peeudoautosomal region; segment 1/2	OLFACTORY RECEPTOR 1D2 (OLFACTORY RECEPT OR-LIKE PROTEIN HOMPOVE) (OLFACTORY RECEPTOR 17-4) (OR17-4)	Hamo sepiens chromosome 21 segment HS21C103	Homo saplens chromosome 21 segment HS21C102	2/74g11.s1 Scares_fetal_liver_spleen_1NFLS_S1 Hamo septems cDNA clone IMAGE:460676 3	274g11.s1 Sogres fetal liver spleen 1NFLS S1 Homo sepiens cDNA clone IMAGE:460676 3	1928/05/17 INCI_CGAP_LL24 Homo septens cDNA done INAGE:2270745 3' struiter to TR:Q13539 Q13539 MARINER TRANSPOSASE.;	ned21b03.x1 NCI_CGAP_LL24 Homo sepiens cDNA clone IMAGE:3366077 3' similar to contains MER7.b2	MER7 repetitive element;	Homo saptens S164 gane, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene,	partial cds	Bos taurus Mich2 mRNA for miliochondrial carrier homolog 2, complete cos	Homo sapiens 859 to contig between AML1 and CBK1 on critomosome Z1922, segment 3/3	Homo sapiens Bruton's tyroshe kinase (BTK), alpha-D-galactosidase A (GLA), L44-tive ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds
Top Hit Database Source	M	NT	EST HUMAN	EST_HUMAN	EST_HUMAN			$\neg$	٦		EST_HUMAN		EST_HUMAN		EST HUMAN	M	SWISSPROT	Ę	¥	EST HUMAN	EST HUMAN	EST HUMAN		<b>EST_HUMAN</b>		뒫	NT	NT	TN
Top Hit Acession No.	6.0E-12 AF020503.1	6.0E-12 AF003249.1	6.0E-12 AA847898.1	T06573.1	5.0E-12 BE047779.1	5.0E-12 AJZ71736.1	5.0E-12 AL163278.2	4L163278.2	5.0E-12 AW974760.1	5.0E-12 AL040739.1	5.0E-12 AL040739.1		5.0E-12 AA033745.1	5.0E-12 AW887037.1	5.0E-12 AL079581.1	5.0E-12 AJZ71735.1	234987	AL 163303.2	5 0E-12 AL 163302.2	AA700326.1	4.0E-12 AA700326.1	4 0E-12 AIB80084.1		4.0E-12 BF445140.1		4.0E-12 AF109907.1	4.0E-12 AB042815.1	4.0E-12 A.J229043.1	4.0E-12 U78027.1
Most Similer (Top) Hit BLAST E Vatue	6.0E-12	6.0E-12	6.0E-12	6.0E-12	5.0E-12	5.0E-12	5.0E-12	5.0E-12	5.0E-12	5.0E-12	5.0E-12		5.0E-12	5.0E-12	5.0E-12	5.0E-12	5 0F-12 P34982	5.0E-12	50E-12	4.0E-12	4.0E-12	4 0E-12		4.0E-12		4.0E-12	4.0E-12		
Expression	0.65	0.98	-88	3.67	1.17	6.8	4.89	4,89	9.52	-	1.83		1.14	0.7	0.54	2.78	48	414	180	417	5.51	77.0		0.72		282	0.75	3.26	2.82
ORF SEQ ID NO:	32861	35736		27043	29376	78887	32441	32442	32973	33274	33274		34960			36887	<b>.</b> .	1	47444		79090	<u> </u>					35422		
SEQ ID	19591	22312	22878	14090	16450	16782	19214	19214	19697	18977	18977		21539	21981	22311	22428	97.50	28.680	28854	48842	13342		1	20826		21563	L	1.	1
Probe SEQ ID NO:	8538	2847	883	1044	260	3740	6137	6137	6839	7232	7242		8571	9015	9346	2864		40620		224	245		3	7887		8685	9035	11419	12658

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	Top Hit Descriptor	hd13d01.x1 Soares_NFL_T_GBC_S1 Homo saplans cDNA clone IMAGE:2809377 3' similar to TR:014517 014517 SMRP.;	hd13d01.x1 Soares_NFL_T_GBC_S1 Hamo sepiens cDNA clane IMAGE;28083 / / 3' similer to 1K:O1431/ O14517 SMRP.;	Hamo sapiens chromosome 21 segment HS210068	Homo sepiens serine palmitoyi transferase, subunit II gene, complete cos; and unknown genes	Homo sapiens PTS gene for 6-pyruvoyitetrahydropterin synthese, comprens cas	RC3-CT0255-031089-011-h02 CT0255 Homo sapiens CUNA	SERINE PROTEASE HEPSIN	SERINE PROTEASE HEPSIN	Human prostate specific antigen gene, 5' ftanking region	Human prostate specific antigen gene, 5' handing region	IL.5-UM0071-120400-065-605 UM0071 Hamo septens cLMA	Mus musculus keratin-essociated protein 6.2 (Krtap6-2), mkNA	Rat USA small nuclear RNA	Rat USA small nuclear RNA	CM0-BT0281-031199-087-e03 BT0281 Homo septems cDNA	RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE;	ENDONUCIEASE]	ESTOROGRAPHON MANCEL THAT SHAPE WAS A PROPERTY OF THE SHAPE WINDS AND A SHAPE WAS A SHAPE	ESTOGOGO Infant Brain, Betto Sogres Hamp squares CLAN Chair History IS of the	MRG-HT0559-200400-016-e08 HT0559 Home sapiens curk	MR2-CN0037-210200-101-602 CN0037 mains saparas curva	Homo sapiens Ac-like transposable eventent (AL 1 E.), intura	POLYPEPTIDE NACETYLGALACTOSAMINYLTRANSFERASE (PROTEIN-OLY ACETYLGALACTOSAMINYLTRANSFERASE) (UDP-AALNAC-POLYPEPTIDE, N-	ACETYLGALACTOSAMINYLTRANSFERASE) (GALNAC-11)	Homo eapiens putative BPES syndrome breatybour region protein gare, curipme cus	MR3-HT0487-150200-113-g01 HT0487 Hamo espients aDNA	opp7702x1 Soares_NhHMPu_S1 Homo septens cDNA clone IMAGE:1931835 3' similar to TR:Q13538	Q13538 ORF2: FUNCTION UNKNOWN.;	Homo sapiens chromosome 21 segment rescrives	TOTALO SOCIEDADE INTERESTANCIA DE LA COLLECTA (COLLECTA), ILLECTA
	Top Hit Database Source	EST_HUMAN O	T_HUMAN	TN.	~		П		SWISSPROT	±		T_HUMAN		NT.		EST HUMAN		$\neg$	П	П	Т	T HUMAN			ISSPROT	NT	EST HUMAN	Γ	HUMAN		
•	Top Hit Acession No.	3.0E-12 AW341683.1	<b>V</b> .	2			328.1			.1		.1	20E-12 6754496 NT			9.1		P11369	20E-12 AW971857.1	2.0E-12 T08169.1	2.0E-12 BE173035.1	20E-12 AW842798.1	11422229 NT		010473	20E-12 AF196864.1			2.0E-12 At334130.1	2.0E-12 AL163283.2 NT	11418248
	Most Similar (Top) Hit BLAST E Vatue	3.0E-12	3.0E-12	3.0E-12	3.0E-12	3.0E-12	3.0E-12	3.0E-12 035453	3.0E-12 035453	3.0E-12 U37672.1	3.0E-12 U37872.1	20E-12	20E-12	2.0E-12	20E-12	20E-12		2.0E-12 P11369	20E-12	2.0E-12	2.0E-12	20E-12	20E-12		20E-12 Q10473	20E-12					
	Expression Signal	3.06	3.06	0.73	96.0	0.54	0.55	0.48	0.54	.2.71	271	241	0.85	1.09	1.80	1.97		0.71	1.83	3.22	1.18	0.57	21		0.43	1.85	14 41		0.8	3.11	1.69
	ORF SEQ ID NO:	00000	28801	31096				35114			37508				ļ			31177		33702			34253		35406	L			37304	l	
	SEQ ID	13683	13083	18220	18628	20619	20967	21686	22426	23981	23981	14693	16528	17172	47472	47477		18427	l	1	1	1	Ι.	L	22043	L	L	L	23801	<u> </u>	25245
ľ	Probe SEQ ID NO:	85	8	28.5	5627	7859	8030	8718	0462	11016	11016	\$	2480	4141	1717	AARA	2	6321	6822	7381	7867	7778	7827		200	0883		931	1088	12308	12511

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Table 4
Single Exon Probes Expressed in Bone Marrow

Most Similar (Top Hit Accession Database BLAST E No. Source Source	1.0E-12 AW627674.1 EST_HUMAN MER18 repetitive element;	wm51f07.x1 NCI_CGAP_Ut2 Homo sepiens cDNA clone IMAGE:2438493 3' similar to contains L1.b3 L1 1.0E-12 Al871726.1 EST_HUMAN repetitive element;	Į.	1 NT	1 EST_HUMAN	1.0E-12/AU132248.1 EST_HUMAN AU132248 NT2RP3 Homo sepiens cDNA done NT2RP3004070 5	I NT	SWISSPROT	1.0E-12 BF642800.1 EST_HUMAN ESTD0008 Soares_NPL_T_GBC_S1 Homo.septens GDNA clane IMAGE:1847899 5	1.0E-12 BF642800.1 EST_HUMAN EST00008 Soares_NRT_GBC_S1 Homo septens cDNA clone IMAGE:1847869 5'		1.0E-12 AF228643.1 NT conductance regulator (CFTR) genes, section 1 of 2 of the complete cds; and unincolon gene	1.0E-12 AF198864.1 NT Homo septems putative BPES syndrome breekpoint region protein gene, complete cds		1.0E-12/Al248533.1 EST HUMAN repeative element;	1.0E-12/AI248533.1 EST_HUMAN Impedative element;	Human germtine T-cell receptor beta chain Departme-beta-hydroxylase-like, TRY1, TRY2, TRY3, TCRBV27S1P, TCRBV22S1AZN1T, TCRBV6S1A1T, TCRBV7S1A1NZT, TCRBV5S1A1T, TCRBV13S3, TCCBV46S1A1T, TCCBV46S4A1T, TCCBV46S5A1T, TCCBV46S5A1T	1.0E-12 U66059.1 NT TCRBV1359/135>	1.0E-12 A4782223.1 EST HUMAN 8c28d05.s1 Strategere overy (#837217) Homo septems cDNA clone IMAGE:857677 3'	.1 EST_HUMAN	EST HUMAN	1,0E-12 AL163268.2 NT Homo saplens chromosome 21 segment HS21C068	20E-13 AW092714.1 EST HUMAN MER29.13 MER29 repetitive element;	TN	9.0E-13 AB028900.1 NT Homo sapiens CST gene for cerebroside sulfotransferase, expn 1, 2, 3, 4, 5
Most Sirr Expression (Top) H Signal BLAST	283	1.46		0.78 1.06	31.6 1.0E	31.6 1.06	2.05 1.06	1.65	0.57 1.06			0.78	1.9 1.06		11.35 1.06	11.35 1.05		0.48							0.96 99.0
SEQ ID ORF SEQ EN NO:	13231 20159		16142 29063		16928 29836	16928 29837	19158	19234		18349 32583		19739 33014	20294 33637	İ	20327 33675	20327 33676		21801 35220				25881	14100		17007 28623
Probe SEO ID SEI NO:	183		L	L	3888			L		1_	<u> </u>	9882			7357	7357		8834			1_	L	<u> </u>	1_	Ш

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Table 4
Single Exon Probes Expressed in Bone Marrow

Ewn SEQ ID NO: NO: 13786 ID 13
Probe SEQ ID NO:

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	Top Hit Descriptor	Homo sapiens X-linked anhidrotitic ectodermal dysplasta protein gene (EDA), exon 2 and flanking repeat	regions	Zw68g08.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:781406 5	Homo sepiens Xq pseudoautosomel region; segment 2/2	Homo saplens chromosome 21 segment HS21C010	CM2-FT0100-140700-242-h08 FT0100 Homo sapiens cDNA	ob 18d02 s 1 NCI_CGAP_K05 Hamo sepiens aDNA dane IMAGE: 1324035 3'	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (VERSION 1)	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (VERSION 1)	zn88h10.r1 Stratagene lung carchoma 937218 Homo sepiens cDNA clone IMAGE:565315 5' similar to contains THR.t2 THR repetitive element ;	zn88h10.r1 Stratagene lung carcinoma 937218 Homo sapiens cDNA clone IMAGE:565315 6' similar to contains THR.t2 THR repetitive element;	wz8sc02.x1 NCI_CGAP_Brn25 Horno saplens cDNA clone IMAGE:2565890 3' similar to TR:075139	075139 KIAA0644 PROTEIN.;	Homo sepiens X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomal	protein L18a (RPL18a), Ca2+fCetmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR), CDM nomein (CDM), entrende transporter (CRTR),	COUNTY OF THE CO	ESTOLAS/ Manyaiba i celis AA Franc sapiens Curva o em similar la similar la semie proceso i no, mar reactive factor	EST60487 Activated T-cells XX Homo sapiens cDNA 5' end similar to similar to serine probase P100, Ra-	reactive factor	RC2-DT0007-110100-014-g10 DT0007 Homo sepiens cDNA	HA0536 Human fetal liver cDNA library Homo saptens cDNA	CMO-BT0281-031189-087-e03 BT0281 Homo sepiens cDNA	Homo espiens chromosome 21 segment HS21C048	Homo septens X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ritosomal protein L18a (RPL18a), Ca2+/Calmodulin-dependent protein kinase I (CANKI), creatine transporter (CRTR),	CDM protein (CDM), adrendeukodystrophy protein >	Homo septems DNA polymenase delta small subunit (POLD2) gene, exons 1 through 11 and complete cds	nab78f05.x1 Scares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE: 3'	Homo sapiens S164 gene, partial cds; PS1 and hypothetical protein genes, complete cds; and S171 gene, partial cds
-	Top Hit Databese Source		NT F	EST_HUMAN  z	NT H	H	EST_HUMAN C	EST_HUMAN   o	SWISSPROT D	SWISSPROT D	EST_HUMAN 0	EST HUMAN 0		EST_HUMAN C	<u> </u>	<u>a</u> C		EST_HUMAN IN		╗			EST_HUMAN C	H H		Ę.	H	EST_HUMAN n	H IN
	Top Hit Acessian No.			3.0E-13 AA430310.1	3.0E-13 A.1271736.1	3.0E-13 AL163210.2	3.0E-13 BF372962.1	3.0E-13 AA745844.1			3.0E-13 AA134017.1			3.0E-13 AW005639.1		0 00 40 1 (50444 0	Ī	3.0E-13 AA352487.1	•	3.0E-13 AA352487.1	3.0E-13 AW835487.1	3.0E-13 AI064768.1	3.0E-13 BE063509.1	3.0E-13 AL163248.2		2.0E-13 U62111.2	2.0E-13 AF239710.1	2.0E-13 BF431899.1	2.0E-13 AF109907.1
	Most Similar (Top) Hit BLAST E Vatue		3.0E-13	3.0E-13/	3.0E-13/	3.0E-13/	3.0€-13	3.0E-13/	3.0E-13 P18616	3.0E-13 P18616	3.0E-13	3.0E-13/		3.0E-13		0 Of 49	9.0E-13	3.0E-13		3.0E-13	3.0E-13	3.0E-13	3.0E-13	3.0E-13		2.0E-13	2.0E-13	2.0E-13	2.0E-13
	Expression Signal		5.94	3.35	1.65	2.11	25	2.19	6.0	6.0	48.0	90		0.71			870	0.51		0.61	0.46	2.68	3.32	1.52		3.93	7.14	1.08	1.25
f	ORF SEQ ID NO:				28410		28888		29484	29485	31872	31873		32404		70276	100	34787		34788	36976		37861	38338		26183	17272		29489
	SEQ ID		13281	13922		l	15870	16256	16560	16580	18714	18714		19185		70770	212	21381		21381	23480	24000	24332	24805		13254	14310		16564
	Probe SEQ ID NO:		181	88	2378	2487	2873	3201	3514	3514	5618	5618		9108		Ž	CL78	8412		8412	10558	11036	11386	11924		151	1275	3294	3518

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	Top Hit Descriptor	Hamo sapiens chromosome 21 segment HS21C078	CELL SURFACE CLYCOPROTEIN 1 PRECURSOR (OUTER LAYER PROTEIN B) (S-LAYER PROTEIN 1)	Human PPKL gene for liver-type 6-phosphofructokinase (EC 2.7.1.11) excm 2	Homo sepiens N-myristoy/transferase 1 (NMT1), mRNA	Homo sapiens N-myristoy/transferase 1 (NMT1), mRNA	Homo septens mab-21 (C. elegans)-like 1 (MAB21L1) mRNA	CARD-NN0001-100300-274-611 NN0001 Harto septens aDNA	FGF-1=fibroblast growth factor 1 [human, kidney, Genomic, 342 ht, segment 2 or 2]	Homo sepiens LGMD2B gene	H.sepiens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RINGB, 9, 13 and 14 dense	mwZ1g02.s1 NCI_CGAP_GCB0 Hamo septens cDNA clone IMAGE:1241138 3' stmilar to contains THR.t3	THR repetitive element;	602038009F1 NCI_CGAP_Bm64 Hamo sepiens cDNA dane IMAGE:4185866 5	y1636,seq.F Human fetal heart, Lambda ZAP Express Homo saplens cDNA 5	m24d01.s1 NCI_CGAP_Gas1 Homo septens cDNA clone IMAGE:1084801 3' similar to contains Alu	repetitive element contains element MER24 repetitive element;	rm24d01.s1 NCL_CGAP_Gas1 Homo sapiens cDNA clone IMACE::1084801 3' similer to comeins Au repetitive element,combains element MER24 repetitive element ;	MELANOMA ASSOCIATED ANTIGEN B4 (MAGE-B4 ANTIGEN)	Mus muscutus estectesticular protein tyrosine phosphatase mRNA, complete cds	745610.x1 Scenes NSF_F8_9W_OT_PA_S1 Home sapiens cDNA clone IMAGE:3524443 3' strriter to	contains MEK29.b2 MEK29 repetitive cement;	AV715377 DCB Hamo signlens aDINA dane DUSAILEUS 5	Homo sepiens Xq pseudoautosomal region; segment 1/2	ej24c01.s1 Soares_testis_NHT Homo sapiens cDNA clone 1391232 3' smuler to contains MEK19.11 MEK19.	repositive electron ,	24001.81 SOBRES BESTE THAT I THAT IS SEPARED CLICKY CAME 130 120 E.C. C.	INDENING CHILLY ()	CA-CI IOZZ-UGUI UCU I SUU CA CI IOZZ TAIN B GARAN SUCIA	Homo sapiens micha for sodulingucose constisporte (Social gueste	Homo sapiens mirana for socialm-girloose contangual (Social Segue)	Hand sapiens i rr gane quester na trena racua, cumprese cue
	Top Hit Database Source	H	SWISSPROT 1)					T HUMAN	¥.	F	<u> </u>		EST_HUMAN 1	EST_HUMAN 6	EST HUMAN Y	Г	EST HUMAN	EST HUMAN	Г	П	Г	HUMAN	LHUMAN	NT L		EST HUMAN		Т	HUMAN			N.
	Top Hit Acession No.	20E-13 AL163278.2			0835072	10835072 NT	5031896 NT	2.0E-13 AW892155.1	1.0E-13 S74129.1	1.0E-13 AJ007973.1	4 0E-43 XB7344 1		1.0E-13 AA720574.1	1.0E-13 BF340987.1	1.0E-13 AA090732.1		1.0E-13 AA577812.1	1.0E-13 AA577812.1	015481	1.0E-13 AF300701.1		1.0E-13 BF108765.1	1.0E-13 AV715377.1	1.0E-13 AJZ71735.1		9.0E-14 AA781159.1			9.0E-14 AW861577.1	9.0E-14 AJ133127.1	9.0E-14 AJ133127.1	9.0E-14 AB038162.1
	Most Similar (Top) Hit BLAST E. Value	2.0E-13	2.0E-13 008652	2.0E-13	2.0E-13	2.0E-13	2.0E-13	2.0E-13	1.0E-13	1.0E-13	1 0E-43	21.	1.0E-13	1.0E-13	1.0E-13		1.0E-13	1.0E-13	1.0E-13 015481	1.0E-13	-	1.0E-13	1.0E-13	1.0E-13		9.0E-14		9.0E-14	9.0E-14	9.0E-14	9.0E-14	9.0E-14
	Expression Signal	1.61	471	6.49	0.50	0.50	4.63	5.43	1.49	4.85	- 3	95:	2.43	22	0.61		0.78	0.78	0.82	0.49		10.13	234	3.21		3.14		237	4.8	1.03		6.94
-	ORF SEQ ID NO:		32548							26902		35,7	28074				34616			37084		38240				26345	L	26346			28618	
	Exan SEQ ID NO:	17167	10318	20210	1		1	1	13385	13044		2/24	15058				221		L			24872	ļ			13422			15511	15598		15756
	Probe SEQ ID NO:	4135	8245	2887	7255	7255	10824	12387	8	88	Ş	332	2037	4623	8588		8242	CFC8	10450	10684		11707	12208	12844		333		88	2508	2597	2597	2764

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Most Similar Top Hit Acession (Top) Hit Top Hit Acession Source Source Source	14 AW513298.1 EST HUMAN	9.0E-14 AA781169.1 EST_HUMAN	9.0E-14 D14547.1 NT	7	П	8.0E-14 R76289.1 EST_HUMAN	7		1 EST HUMAN	8.0E-14 AI688118.1 EST_HUMAN	3 00 7 0E-14 AW151673.1 EST HUMAN MER10 repetitive element;	7.0E-14 AL163285.2	6.0E-14 AF020503.1 NT	2.54 6.0E-14 AF020503.1 NT Homo sapiens FRA3B common fragile region, diadenosine triphosphate hydrolase (FHIT) gene, exon 6	6.0E-14 AF020503.1 NT	5.0E-14 Q63120 SWISSPROT	5.0E-14 AL163247.2 INT	5.0E-14 AW073791.1 EST_HUMAN	5.0E-14 P08547 SWISSPROT	4.0E-14 P04928	4.0E-14 A.007973.1 NT	4.0E-14 AA046502.1 EST HUMAN	EST HUMAN	4.0E-14 X87344.1
Most Sirr Expression (Top) + Signal BLAST		0.67	7.16	1.68	1.44	3.46	21.45	3.1	1.52	289		L	16.94	2.54	254	523	0.95	1.30	484	1.85	-	-	98.0	0.6
Exam SEQ ID NO:	48495		16851 29759	17807 30699	16565		21128 34530	22739 36182		26294 31783	18073	27738	13453 28381					18103 30979	L	L	14020 27016		17340 30233	
Probe Ex	- 000		3811 16		3509 16			L	L	L			<u></u>				L			1	L	1	<u> </u>	$\perp$

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Single Exoll Flores Expressed in Colle Mailton	✓ Top Hit Descriptor	wm08c03.x1 NCI_CGAP_Ut4 Homo sapiens cDNA clone IMAGE-2435332.3' similar to contains Alu repetitive element;	R.narvegicus mRNA for CPG2 protein	Homo sepiens a distritegrin and metalloproteinase domain 29 (ADAM29), mRNA	1881c12.x1 NCI_CGAP_P728 Homo septens CDNA clone IMAGE:2094070 3' striller to TR:000519 000519 FATTY ACID AMIDE HYDROLASE.;	bestc12.x1 NCI_CGAP_P/28 Homo septens cDNA clone IMAGE::2094070 3' strrifer to TR:000519 000519 FATTY ACID AMIDE HYDROLASE;	Homo sepiens chromosome 21 segment HS21C048	EST186054 Brain IV Homo septens cDNA	yyo7b10_r1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:270523 5	801511530F1 NIH_MGC_71 Homo septens cDNA clone IMAGE:3913087 5	xp45/12x1 NCI_CGAP_HN11 Homo sepiens cDNA clone IMAGE:2743343 3' similar to contains Atu	Ingretitive exercises the many was produced as the second of the second	Homo septents of transfer the september 1021 (200	Horizon Salitation of Participation and Participation of	Homo sepiens Aq pseudosanus anglan, segiment 4/2	Homo saplens chromosome 21 segment HS21C103	RCS-BT0377-091289-031-D12 BT0377 Hamo septems CJNA	Homo sapiens rhabdoid tumor deletion region protein 1 (KTLHX1), mt-trA	Homo sapiens chromosome 21 segment HS21C009	hysogrox1 NCI_CGAP_Lu24 Homo septems cDNA done IMAGE:3180/38 3's smitter to contains Atu repetitive element, contains OFR.t1 OFR repetitive element;	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	IL2-UT0072-240800-142-D07 UT0072 Homo septems cDNA	te79th01.x2 NCI_CGAP_HSC2 Homo sepiens cDNA done IMAGE:2050225 3' simitar to contains L1.ts L1 repetitive element;	Human beta globih region on chromosome 11	RC3-BN0072-240200-011-a06 BN0072 Homo explans cDNA	Homo saciens a disintegrin and metalloproteinase domain 11 (ADAM11) mRNA	ZINC-FINGER PROTEIN NEURO-D4	IL2-HT0397-071289-024-D04 HT0397 Homo sapiens cDNA	IL2-HT0397-071299-024-D04 HT0397 Homo sepiens cDNA
AUI FIUDES L	Top Hit Database Source	EST_HUMAN	Ę	¥	EST_HUMAN	EST_HUMAN	Z	EST_HUMAN	<b>EST_HUMAN</b>	EST HUMAN		EST HUMAN	Į.	Z	Ę		EST_HUMAN	Į,	M	EST HUMAN	SWISSPROT	EST_HUMAN	EST HUMAN	L <sub>N</sub>	FST HIMAN	Ę	SWISSPROT	EST HUMAN	EST_HUMAN
Sirigie	Top Hit Acession No.	4.0E-14 AI886224.1	(96466.1	7656884 NT	3.0E-14 AH20786.1	3.0E-14 AI420786.1	3.0E-14 AL163248.2	3.0E-14 AA386311.1	V42165.1	3.0E-14 BE888016.1		3.0E-14 AW 265354.1	3.0E-14 AL163285.2	2.0E-14 AJZ/1736.1	2.0E-14 AJZ71736.1	2.0E-14 AL163303.2	2.0E-14 AW372868.1	7857529	2.0E-14 AL163209.2 NT	2 0F-14 BE222432 1	P08548	2.0E-14 BF380681.1	2 DE-14 A1312351 1	2 OF-44 1 104347 4	2 OF 44 REPORTS 4	ASASTMOINT	DER163	2.0E-14 BE158781.1	2.0E-14 BE158761.1
	Most Similar (Top) Hit BLAST E Vatue	4.0E-14/	3.0E-14 X95468.1	3.0E-14	3.0E-14/	3.0E-14	3.0E-14	3.0E-14	3.0E-14 N42165.1	3.0E-14		3.0E-14	3.0E-14	2.0E-14	2.0E-14	2.0E-14	2.0E-14	2.0E-14	2.0E-14	2 OF-14	2.0E-14 P08548	2.0E-14	2 OF-44				2.0E-14.D58463	20E-14	20E-14
	Expression Signal	6.38	4.69	1.18	0.96	96'0	0.51	0.57	0.83	283		808	1.68	278	2.76	86.6	1.89	1.4	22	1 63	1.48	0.91	28.0	3.18	2 8	0.92	0.97	21.51	
	ORF SEQ ID NO:		26955					33585		L.	<u> </u>	31293			26396				28554			31669	<u> </u>				33390		
	Exen SEQ ID NO:	25088	14003	17878	1		25676	20251			1		25864	13465	13465	15847	15404	15476	1_	<u>L</u> _		L	<u> </u>	١.		L	ZAZASZ SOLOGI	Т.	┸┚
	Probe SEQ ID NO:	12805	950	4963	888	86	202	222	9139	44337		11568	12824	390	390	8	2397	2472	2531	36.13	288	5602	6	300	ROS I		082/	7754	7751

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Single Exon Probes Expressed in Bone Marrow

_		_	_	_	_	_	_	_		_		_	_				_	_	_	_	_	_	_	_		_	_	_	_		_		_
	Top Hit Descriptor	wr59g10.x1 NCI_CGAP_Ut1 Homo sepiens cDNA clone IMAGE:2482034 3' similar to contains Alu repetitive element;	AV741648 CB Hamo sapiens cDNA clane CBFBBF04 5	UHHBH-adw-a-10-0-UI.s1 NCI_CGAP_Sub3 Hamo sapiens cDNA clane IMAGE::2718234 3'	Homo sapiens putative G6 protein (GR8) gene, complete cds	Homo sepiens chromosome 21 segment HS210048	Homo sepiens chromosome 21 segment HS210068	Hamo septens chramosame 21 segment HS210068	Homo sapiens chromosome X region from filemin (FLN) gene to glucose-6-phosphate dehydrogenase (G6PD) gene, complete cds's	Homo sapiens chromosome 21 segment HS21C103	Homo sapiens ribosomal protein L23A (RPL23A) gene, complete cds	HISTIDINE-RICH PROTEIN PRECURSOR (CLONE PFHRP-II)	RC2-CT0432-310700-013-a09_1 CT0432 Homo sapiens cDNA	RC2-CT0432-310700-013-609_1 CT0432 Homo septens cDNA	ae89c12.s1 Strategene schtzo brain S11 Homo sepiens cDNA clone IMAGE:971350 3'	xq39h10.x1 NCI_CGAP_LL28 Hamo septens aDNA dane IMAGE:2763059 3*	Bos taurus xenobiotic/medium-chein fatty acid: CoA ligase form XL-III mRNA, nuclear mRNA encoding	Interesting protein, conjugate cas	TOTAL SEPTEMBER (INCOME) IN TOTAL SEPTEMBER (INCOME)	Homo sapers promin (mouse) like 1 (Fry Mr. 1), mix ver	Homo septens protein tyrosine prosprietates, receptor type, i (FTFKI), michai	Homo sepiens transcription factor ICHIN enhancer 3, JM11 protein, JM4 protein, JM5 protein, T64 protein,	JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaphophysin genes,	complete cds; and L-type calclum channel a>	GAG POLYPROTEIN [CONTAINS: CORE PROTEINS P15, P12, P30, P10]	601677750F1 NIH_MGC_21 Hamo expients aDNA clane IMACE:3960159 5	601148632F1 NIH_MGC_19 Home saplens cDNA done IMAGE:3164023 6	601458531F1 NIH_MGC_68 Hamo septens aDNA clane IMAGE:3862086 5	xn77d02x1 Soares_NFL_T_GBC_S1 Homo septens cDNA clone IMAGE:2700483 3' similar to contains	THR.12 THR repetitive element;	Homo sapiens Xq pseudoautosomal region; segment 2/2	O.anies mRNA for hair keratin cysteine-rich protein	Ouries mRNA for hair keratin cysteine-rich protein
2001 1104	Top Hit Deferbase Source	EST HUMAN	EST_HUMAN	EST HUMAN	NT	NT	M	NT	Į.	M	Þ	SWISSPROT	<b>EST_HUMAN</b>	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN		IN.	z !	IN.	N.			5	SWISSPROT	<b>EST_HUMAN</b>	EST HUMAN	EST HUMAN		EST HUMAN	L	NT	NT.
1 DISING	Top Hit Acession No.	2.0E-14 Al978795.1	2.0E-14 AV741648.1	2.0E-14 AW139800.1	2.0E-14 AF008191.1			1.0E-14 AL163268.2	1.0E-14 L44140.1	1.0E-14 AL.163303.2	1.0E-14 AF001689.1	P05227	1.0E-14 BF335227.1	1.0E-14 BF335227.1	1.0E-14 AA682994.1	1.0E-14 AWZ75852.1		A-120140		-	7427522 NT			9.0E-15 AF196779.1	P21418	9.0E-15 BE903559.1	8.0E-15 BE261482.1	7.0E-15 BF035327.1		7.0E-15 AW241958.1	6.0E-16 AJZ71736.1	6.0E-15 X73462.1	8.0E-15 X73462.1
	Most Similar (Top) Hit BLAST E Vætue	2.0E-14	2.0E-14	2.0E-14	2.0E-14	1.0E-14	1.0E-14	1.0E-14	1.0E-14	1.0E-14	1.0E-14	1.0E-14 P05227	1.0E-14	1.0E-14	1.0E-14	1.0E-14		1.0E-14	1.02-14	1.0E-14	9.0E-15			. 9.0E-15	9.0E-15 P21418	9.0E-15	8.0E-15	7.0E-15		7.0E-15	6.0E-15	8.0E-15	8.0E-15
	Expression	0.52	0.53	3.94	1.71	209	8.16	8.16	15.42	5.77	6.29	1.05	62	82	1.75	2.07		21	11.02	11.02	1.78			1.37	4.28	1.17	1.42	1.55		2.45	6.55	1.11	1.11
	ORF SEQ ID NO:	36887			L			27407						29166		30410					27584							33708					Ш
	SEQ ID	23202	23704	L	25857	14113	14438		15038	L	1	16013	16237	1	16941	17525		18993	22669		14612			15198	20693	١.	L.			23722	14047		19110
	Probe SEQ ID NO:	10277	10783	11133	12822	1068	1405	1405	2017	2185	2419	2855	3182	3182	3901	4500		200	8831 1	88	1579			2188	77.38	8350	2822	7387		10801	886	6027	6027

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13454 28382 4.01 2.0E-15 AF223391.1 NT 13454 28383 4.01 2.0E-15 AF223391.1 NT 15389 28413 1.02 2.0E-15 BE350127.1 EST_HUMAN 15389 28414 1.02 2.0E-15 BE350127.1 EST_HUMAN	Probe SEQ ID NO: NO: 11035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 1111035 110235 1111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035 111035	SEQ ID NO: 13483 13483 13422 13628 23999 21088 21088 20460 20460 20460 23210 23210 23210	28784 28720 33165 34488 30868 30868 30868 33820 33820	Signal Si	Repair Services	Similar Top Hit Acession AST E No. 1918 L. 1918 L. 1918 L. 192 Hit Acession AST E No. 1918 L.	Source Source Source Source Source Source Source Source NT Human I Human I Human I MT Homo se NT Homo se ST HUMAN TPO1FO SET HUMAN TPO1FO	Human hereditary haamochromatosis region, histona 2A-like protein gene, hereditary haamochromatosis (HLA-H) gene, Complete cds (HLA-H) gene, Roftet gene, and sodium phosphate transporter (NPT3) gene, complete cds (HLA-H) gene, Roftet gene, and sodium phosphate transporter (NPT3) gene, complete cds (HLA-H) gene, Roftet gene, and sodium phosphate transporter (NPT3) gene, complete cds (HLA-H) gene, Roftet gene, and sodium phosphate transporter (NPT3) gene, complete cds (HLA-H) gene, Roftet gene, and sodium phosphate transporter (NPT3) gene, complete cds (HLA-H) gene, Roftet gene, and sodium phosphate transporter (NPT3) gene, complete cds (HLA-H) gene, complete cds (HLA-H) gene, contains MER19. Home septems mRNA for transcription factor (LY114ZF Human fetal heart, Lambda ZAP Express Home septems cDNA clone LY114Z 5' similar to ANFORDIOXIA.THV)  ANFOLTES Chromosome 7 Placential cDNA Library Home septems cDNA clone TPOLTES and Chromosome 7 Placential cDNA Library Home septems cDNA clone TPOLTES (DDCRANT-METABOLIZING PROTEIN RY2D1) Mus musculus ultra high sulfur leartin gene, complete cds (Mas musculus ultra high sulfur leartin gene, complete cds (COCRANT-METABOLIZING PROTIL4 genes, complete cds)  MER19 repetitive element:  WER19 repetitive element:  WER19 repetitive dement:  WER19 repetitive dement charmel stipherife suburiti (CACNANTE) gene, excres 7-49, and partial cds, alternatively cpsicod
15389 28413 1.02 2.0E-15/BE350127.1 EST_HUMAN 15389 28414 1.02 2.0E-15/BE350127.1 EST_HUMAN	88					AF223391.1	노	Homo sepiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial ods, alternatively spitoed Homo sepiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial ods, alternatively
	2381					AFZZ3301.1 BE360127.1 BE360127.1	EST HUMAN EST HUMAN EST HUMAN	spliced https://doi.org/10.000/10.1000/10.0000/10.000/10.000/10.000/10.000/10.000/10.000/10.000/10.000/10.0

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ngie Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	DYNEIN GAMMA CHAIN, FLAGELLAR OUTER ARM	oh37c03.st NCI_CGAP_Kid6 Homo sepiens cDNA clone IMAGE:1459972 3' similar to contains L1.t3 L1. recetitive element :	Hamo septens major histocompatibility locus class III region	tr31c05.x1 NCI_CGAP_OVZ3 Homo sepiens cDNA cione IMAGE:22/18912 3' similar to conteins Alu repetitive	element	Homo sapiens cut (Drosophila)-like 1 (CCAA i cuspiacement protein) (CCILI) mirrina	HSC23F051 normalized Infert brain cDNA Homo septems cDNA cione c-23105	Hamo sepiens chemokine (C-C motif) receptor 8 (CCR8) mRNA	PROTEIN-ARGININE DEIMINASE TYPE IV (PEPTIDYLARGININE DEIMINASE IV) (PAD-R4) (PEPTIDYLARGININE DEIMINASE TYPE ALPHA)	PROTEIN-ARGININE DEIMINASE TYPE IV (PEPTIDYLARGININE DEIMINASE IV) (PAD-RA) (PEPTIDYLARGININE DEIMINASE TYPE ALPHA)	ye28c12.r1 Stratagene lung (#837210) Homo septens oDNA clone IMAGE:118062 5	EST384702 MAGE resequences, MAGL Homo sapiens cDNA	Mus musculus offactory receptor cluster, OR37A, OR37B, OR37C, OR37E genes and OR37D pseudogene	ot80c04.81 Sceres_total_fetus_NbZHF8_9w Homo sapiens cDNA clone IMAGE:1623078 3' similar to	contains element L1 repetitive element;	Homo sapiens chromosome 21 segment HS210046	601885734F1 NIH_MGC_57 Hamo saplens cDNA clone IMAGE:4104129 5	Hamo sepiens GTP binding protein 1 (GTPBP1), mRNA	Hamo sepiens gene for TMEM1 and PWP2, complete and partial cds	QV1-UM0036-200300-116-g02 UM0038 Homo saplens cDNA	QV1-UM0036-200300-115-g02 UM0036 Homo sapiens cDNA	MYELIN-OLIGODENDROCYTE GLYCOPROTEIN PRECURSOR	PM4-BT0650-010400-002-009 BT0850 Hamo sepiens cDNA	PM4-BT0650-010400-002-509 BT0850 Homo sepiens cDNA	Hamo sapiens chromosome 21 segment HS210084	Homo sepiens hypothetical protein FLJ10024 (FLJ10024), mRNA	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG	Homo sapiens Grb2-essociated binder 2 (KIAA0571), mRNA	y/96b11_r1 Scares infant brain 1NIB Homo sapiens cDNA clone IMAGE:30489 5	df45c01.y1 Morton Fetal Cochlea Homo sapiens cONA clone INAGE:2486376 5
Xon Probes	Top Hit Detabese Source	SWISSPROT	EST HUMAN	Ę		EST_HUMAN	Į.	EST_HUMAN	N	SWISSPROT	SWISSPROT	EST HUMAN	EST_HUMAN	TN		EST_HUMAN	¥	EST_HUMAN	H	NT	EST_HUMAN	EST_HUMAN	SWISSPROT	EST_HUMAN	EST_HUMAN	NT	TN	SWISSPROT	¥	<b>EST_HUMAN</b>	EST_HUMAN
Single	Top Hit Acession No.	039575	4 DE-45 AA864653 1	1.0E-15 AF044083.1		_1	9.0E-16 4503168 NT	F08688.1	4885120 NT	088807	088807	7 0F-18 T94149 1	6.0E-16 AW972611.1	5.0E-16 AJ251154.1		5.0E-16 AA992178.1	6.0E-16 AL163246.2	5.0E-16 BF217368.1	11418127 NT	4.0E-16 AB001523.1	4.0E-16 AW797168.1	4.0E-16 AW797168.1	Q16653	4.0E-16 BE083875.1	4.0E-16 BE083875.1	4.0E-16 AL163284.2	11423191 NT		6912459 NT	4.0E-16 R18591.1	3.0E-16 AW022862.1
	Most Similar (Top) Hit BLAST E Vatue	1.0E-15 Q39575	4 05-45	1.0E-15		1.0E-15	9.0E-16	9.0E-16	7.0E-16	7.0E-16 088807	7.0E-16 088807	7.0E-18	6.0E-16	5.0E-16		5.0E-16	5.0E-16	5.0E-16	5.0E-16	4.0E-16	4.0E-16	4.0E-18	4.0E-16 Q16653	4.0E-16	4.0E-18	4.0E-16	4.0E-16	4.0E-16 P08548	4.0E-16	4.0E-16	3.0E-16
	Expression	0.79	50	4.18		9.25	1.15	1.94	67.0	1.45	1.45	1 88	7.7	1.28		252	0.48	2.54	10.68	1.64	221	2.21	3.94	4.74	47.4	37.37	76.0	241	2.11	1.36	1.24
	ORF SEQ ID NO:	36055	8888	37857		31612			32060	33885	33886			27495			36821	38319			28421	28422		30083	30084	34310			31816		28169
	Exan SEQ ID NO:	22606						24288	<u>l</u> .	20527		$\perp$	15167	Щ.		15685	23336	24732	25585	. 15283	15396	15396		17197		20919					13238
	Probe SEQ ID NO:	8602	8	11169		13008	4532	11338	5788	7564	7884	13057	2151	1489		2689	10414	11849	13044	2249	2388	2388	3471	4168	4168	7980	9650	12280	12392	12656	133

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igie Exoli Flobes Explessed iii Doire mailow	Top Hit Descriptor	di45c01.y1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:2486378 5	DKFZp434P037_r1 434 (synonym: htes3) Hamo sepiens cDNA dane DKFZp434P037 5	Homo sapiens TSX (TSX) pseudogene, each 5	ZONADHESIN PRECURSOR	ENVELOPE GLYCOPROTEIN GP340 (MEMBRANE ANTIGEN) (MA) [CONTAINS: CLYCOPROTEIN GP220]	EST06060 Infant Brain, Bento Soeres Homo sapiens cDNA clone HIBBA13 5' end	Homo sapiens FRA3B common fragile region, diadenosine triphosphate hydrolase (FHIT) gene, exon 5	Human BXP20 gene	7810F02 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7B10F02	Homo sapiens ghypican 3 (GPC3) gene, partial cds and flanking repeat regions	am98h05.s1 Strategene schizo brain S11 Homo sepiens cDNA done IMAGE:1684185 3' similar to contains THR.b2 THR repetitive element:	602246538F1 NIH MGC_62 Homo sapiens cDNA clone IMAGE:4332032 5	Homo sepiens ADP/ATP cernier protein (ANT-2) gene, complete cds	DKFZp434L1623_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434L1623 5	Hamo sapiens chromosame 21 segment HS21C079	af06db4.s1 Scares_testis_NHT Homo sapiens cDNA clone IMAGE:10308553*	Human SSAV-related endogenous retroviral LTR-like element	H.saplens DNA for endogenous retroviral like element	HISTIDINE-RICH PROTEIN KE4	ig16e11.x1 NCI_CGAP_Ges4 Homo sapiens cDNA done IMAGE:2141708 3' similar to contains element. MER33 repetitive element ;	nz47f06.x5 NCI_CGAP_Pr12 Homo sapiens cDNA clone IMAGE:1280947 similar to TR:O54849 O54849 HYPOTHETICAL 42.9 KD PROTEIN. [2] TR:O08905 ;contains MER7.t1 MER7 repetitive clement ;	77821109.X1 NCI_CGAP_P728 Homo sapiens cDNA clone IMAGE:3303521 3'	782h09.x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:3303521 3'	CN/4-PT0034-180200-508-a01 PT0034 Homo saplens cDNA	CM4-PT0034-180200-506-e01 PT0034 Homo saplens cDNA	Homo sapiens ubiquitin carrier protein E2-C (UBCH10), mRNA	Homo sepiens pituitary tumor transforming gene protein (PTTG) gene, complete cds
Toni Liones	Top Hit Database Source	EST_HUMAN	EST_HUMAN		SWISSPROT	SWISSPROT	EST_HUMAN	Ę	Į.	EST_HUMAN	LN	EST HUMAN	Т		EST_HUMAN	I L	EST_HUMAN	INT IN	אַנ	SWISSPROT	EST_HUMAN	EST HUMAN	EST_HUMAN	Г	EST_HUMAN	EST_HUMAN		IN
aiguic	Top Hit Acessian No.	3.0E-16 AW022862.1	1	3.0E-16 AF135446.1	0,28983	P03200	3.0E-16 T08169.1	3.0E-16 AF020503.1	3.0E-16 U03887.1	3.0E-16 AA077225.1	3.0E-16 AF003529.1	3.0E-16 A1002838.1	3.0E-16 BF690617.1	L78810.1	3.0E-16 AL043268.2	2.0E-16 AL163279.2	20E-16 AA621761.1	J03061.1	XB9211.1	231125	2.0E-16 AI470723.1	2.0E-16 AI732837.1	2.0E-16 BE858026.1	2.0E-16 BE858028.1	2.0E-16 AW877214.1	2.0E-16 AW877214.1	6902145 NT	1.0E-16 AF200719.1
	Most Similar (Top) Hit BLAST E Vailue	3.0E-16	3.0E-16	3.0E-16	3.0E-16 Q.28983	3.0E-16 P03200	3.0E-16	3.0E-16	3.0E-16	3.0E-16	3.0E-16	3.05-16	3.0E-16	3.0E-16 L78810.1	3.0E-16	2.0E-16	20E-16	2.0E-16 J03061.1	2.0E-16 X89211.1	2.0E-16 Q31125	2.0E-16	2.0E-16	2.0E-16	2.0E-16	2.0E-16	2.0E-16	2.0E-16	1.0E-16
	Expression	1.24	1.91	3.08	1.53	3.94	0.98	0.77	1.06	1.11	12	4 92	0.0	5.77	4.1	<u>4</u>	1.32	1.25	1.14	0.83	1.4	1.86	0.73	0.73	0.75	0.75	1.58	2.57
	ORF SEQ ID NO:	28170			27455	28988	29909				31966	35397		36897	31317				30123	33254	34316	34681	34882	34883	35261	35262	37752	26210
	SEO ID NO:	13238	13539	13548	14479	16046	16983	17020	17021	18455	18783	71877	23175	23400	25961	14025	15402	15695	17236	18967	20823	21269	21466	21466	21839	21839		Ш
	Probe SEQ ID NO:	133	<del>4</del> 68	476	1446	288	3963	3980	3981	5350	8699	9005	10250	10478	13079	878	2395	7689	4207	9089	7884	8300	8488	<b>848</b>	8872	8872	11274	186

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				1000			
Probe SEQ ID NO:	SEO ID NO:	ORF SEQ ID NO:	Expression Signal	MOST SIMILAR (TOP) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
	L_		2000	4 00 40	4 05 40 4 40706773 4	CCT LUMAN	af39g11.s1 Soares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:1034084 3' similar to contains DFR to OFR providing element :
385	13480	28044	200	1 0F-18	1.0E-10 Articons2.1	EST HUMAN	QV0-BN0148-070700-283-e10 BN0148 Homo septems cONA
5840				1	1.0E-16 AF163884.1	Z	Homo sepiens SNCA Isoform (SNCA) gene, complete cds, alternatively spiliced
8574			25.8		1.0E-16 U45983.1	NT TN	Homo sapians CCR8 chandkine receptor (CMKBR8) gene, complete cds
-		23084	8		ŀ	CWISSPROT	MITOGEN ACTIVATED PROTEIN KINASE KINASE KINASE 10 (MIXED LINEAGE KINASE 2) (PROTEIN KINASE MST)
7802	19834		6.75	1.0E-18	-	Ę	Homo sepiens CCR8 chamokine receptor (CMKBR8) gene, complete cds
8838					1.0E-16 AW875661.1	EST_HUMAN	QV2-PT0012-040400-124-e05 PT0012 Homo sapiens cDNA
3751		29704			9.0E-17 AW900048.1	EST_HUMAN	CM1-NN1003-200300-163-e01 NN1003 Homo saplens cDNA
88	L				9.0E-17 Al392984.1	EST HUMAN	tg22c11.x1 NCI_CGAP_CLL.1 Homo sapiens cDNA clone IMAGE:2109524 3' shriler to conteitns MER28.t2 MER28 repetitive element;
8445	J		5.47		9.0E-17.AW150257.1	EST HUMAN	xg49g12x1 NCI_CGAP_Ut1 Homo sepiens cDNA done IMAGE:2630950 3' similar to contains OFR.t2 OFR repetitive element;
10584			23	9.0E-17	9.0E-17 AF200719.1	ᅜ	Homo sepiens pituitary tumor transforming gene protein (PTTG) gene, complete cds
1020	14068		2.01	8.0E-17	8.0E-17 AW880701.1	EST_HUMAN	QV0-OT0032-080300-155-d01 OT0032 Homo sepiens cDNA
3907	L		0.88		8.0E-17 AL163280.2	M	Hamp saplens chromosome 21 segment HS210080
2883 2883	<u>.</u>	31927	3.24		8.0E-17 BE172081.1	EST_HUMAN	MR0-HT0559-060300-003-604 HT0559 Homo sepiens dDNA
7490	20455		1.82		8.0E-17 AV730759.1	EST_HUMAN	AV730759 HTF Hamo sapiens cDNA clane HTFAQB07 5
8019		34349	0.54	8.0E-17	19	IN	Mus musculus dynein, exxn, heavy chain 11 (Dnahc11), mRNA
1452	<u> </u>		263			F	Mus musculus apdipaprotein B editing complex 2 (Apobec2), mRNA
5396	18489		3.14		7.0E-17 AF216650.1	M	Homo sepiens putetitive MTAP (MTAP) miRNA, partial cds, afternatively spitced
6845	19898	33193	7.34		7.0E-17 AF228843.1	<u> </u>	Mus musculus WNT-2 gans, partial cds; putative ankyrin-related protein and cystic fibrosis transmembrane conductance regulator (CFTR) genes, section 1 of 2 of the complete cds; and unknown gene
ğ	1	ľ			6.0E-17 AW983880.1	EST_HUMAN	RC1-HN0003-220300-021-604 HN0003 Homo saplens cDNA
8448	1				6.0E-17 AW662772.1	EST HUMAN	hB1d04x1 Soares_NR_T_GBC_S1 Homo septiens cDNA clone IMAGE:2978985 3' similar to conteins L1.t2 L1 repetitive element;
10655	L				8.0E-17 P20138	SWISSPROT	MYELOID CELL SURFACE ANTIGEN COSS PRECURSOR (GP67)
10928	<u> </u>		0.46	``	6.0E-17 W92331.1	EST_HUMAN	zer15103.srl Scenes_fetal_heart_Nibi#119W Homo sepiens dDNA clane IMAGE:359063 3"
424		28014			5.0E-17 T64110.1	<b>EST_HUMAN</b>	yco5h08.r1 Stratagene lung (#937210) Homo sapiens oDNA clone IMAGE:79839 5
7846	20787	34162	1.76		5.0E-17 T81043.1	EST HUMAN	yd28b04.r1 Soares fetal liver spleen 1NFLS Homo sepiens cDNA ctone IMAGE:108327 5
9717	22745	36196	124		4.0E-17 AW129165.1	EST_HUMAN	x20e04.x1 NCI_CGAP_Kid8 Home sapiens cDNA clone IMAGE:2818622 3' strutar to contains Alu repetitive element; centains MER19.b1 MER19 repetitive element;

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Top Hit Descriptor	Hamo sapiens chramosame 21 segment HS210047	owi5e04.x1 Soares_testis_NHT Homo sepiens dDNA done IMAGE:1640286 3' similar to TR-016530 Q16530 PAKS3 MRNA ;contains MER10.2 MER10 repetitive element ;	Human DNA, SINE repetitive element	xx89cx9x1 Sceres_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2804784 31	MAS-RELATED G PROTEIN-COUPLED RECEPTOR MRG	Invotato4x1 NCI_CGAP_Lu24 Homo sepiens CDNA clone IMACE:31618993	hwo5b04.x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMACE:3181899 3	UHHBIA agi o 08-0-Ui.s1 NCI_CGAP_Sub8 Homo sapiens cDNA cione IMAGE:3080043 3	za14b02.s1 Soares fetal liver spiesn 1NFLS Homo sapiens cDNA clone IMAGE:222491 3' similar to comzans PTR5.t3 PTR5 repetitive element;	Homo sapiens DNA, DLEC1 to ORCTL4 gane region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	complete cds)	QV3-BN0047-270700-283-ef2 BN0047 Hamo sepiens cDNA	QV3-BN0047-270700-283-er12 BN0047 Homo septens cDNA	Homo sapiens SEC14 (S. cerevistae)-five 2 (SEC14L2), mRNA	qt63a06.x1 NCI_CGAP_Eso2 Homo sapiens cDNA clone IMAGE:1959922 3' similar to contains Atu	repetitive element,	qt63a06.x1 NCI_CGAP_Esc2 Homo sapiens cDNA clone IMAGE:1869822 3' struiter to contains Atu	repentive element.	200 (104.81 SORTER BEIL INSET AUTH 1917 FIGURE SQUEEK CLICA CALIE INTACLASORY OF C	ZONADHESIN PRECURSOR	ZONADHESIN PRECURSOR	NEUROFILAMENT TRIPLET H PROTEIN (200 KDA NEUROFILAMENT PROTEIN) (NEUROFILAMENT HEAVY POLYPEPTIDE) (NF-H)	Mus musculus ultra high sulfur keradin gene, complete cds	Mus muscufus ultra high suffur keratin gene, complete cds	Homo sepiens MHC class 1 region	DKFZp762J0610_r1 762 (synanym: hmet2) Hamo sepiens aDNA dane DKFZp762J0610 5	Homo sepiens mRNA for KIAA1418 protein, partial cds	OLFACTORY RECEPTOR LIKE PROTEIN OLF3	EST13504 Tests tumor Homo septens cDNA 5 and shriter to similar to glycogenin	600844680F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:2860615 5	Hano sepiens chramosome 21 segment HS21C04/
Top Hit Database Source	Ŧ	EST_HUMAN Q	Ĭ	EST_HUMAN xx	П	EST_HUMAN In	П	EST HUMAN U	EST HUMAN P	T	NT R	EST_HUMAN Q	EST_HUMAN Q			EST_HUMAN (re		Т		╗	SWISSPROT Z	SWISSPROT H	Γ			T HUMAN		SWISSPROT	Г	T_HUMAN	Į,
Top Hit Acession No.	4.0E-17 AL163247.2			3.1				3.0E-17 BF511266.1			3.0E-17 AB026898.1	Ţ		11417988 NT		2.0E-17 AIZ70080.1			22						-	_	ļ.	085156	20E-17 AA300840.1	-	20E-17 AL 163247.2
Most Similar (Top) Hit BLAST E Veitue	4.0E-17	4.0E-17	3.0E-17 D14547.1	3.0E-17	3.0E-17 P35410	3.0E-17	3.0E-17	3.0E-17	3 OF-17 N68461.1		3.0E-17	3.0E-17	3.0E-17	3.0E-17		2.0E-17		2.0E-17	2.0E-17	2.0E-17 Q28983	2.0E-17 Q28983	2 0E-17 P12038	2.0E-17	2.0E-17	20E-17	20E-17	20E-17	20E-17 Q95158	20E-17		
Expression Signal	1.96	202	1.72	1.22	1.66	1.33	1.33	1.17	146	2	4.8	0.73	0.73	3.31		4.6		3.97	2.04	23	23	8	18	18	1 89	1.68	0.85	1.47	120	2.35	283
ORF SEQ ID NO:	38286			28144	L	29614	29815		94006	3	38455	37164				26367		26367			28480						34480		l		Ш
Exam SEQ ID NO:	24704	25114	14523	15125	16263	16699	16899	18078	2 7 7	21012	22987	23668	1	1_		13442		13442	14042	15458	15458	48000	19542	1	Ι.					1_	
Probe SEQ ID NO:	11821	12303	1490	2108	3208	3656	3656	2088	7,00	8	10060	10746	10746	12268		38		354	088	2453	2453	3	EAAD	5 5	S S	SE-SE	3 8	2420	100	10228	10264

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Top Hit Descriptor	Homo sapiens chromosome 21 segment HS210047	Human CYP19 gene for aromatase cytochrone P-450, promoter region (containing two cis-acting transmissional requisions requisions)	ROWE MORPHOGENETIC PROTEIN 1 PRECURSOR (BMP-1)	DONE MODBACKENETIC PROTEIN 1 PRECIESOR (RAP-1)	TOPE CA HOME TO CA Home conjune and MA Chara MARCH ST	SCHOOL AND TODO ON LICENSE STATE SCHOOL STATE SCHOOL SCHOOL STATE SCHOOL	We94b04.x1 Sogres_NFL_1_GBC_S1 Home separas curva darie invasex	Homo sapiens nuclear factor of kappa light polypoptide gene enhancer in E-cells 1 (NFNb1) gene, compress eds	MULTIDRUG RESISTANCE PROTEIN 1 (P-GLYCOPROTEIN 1)	Homo sapiens Xq pseudoautosomal region; segment 2/2	Homo sapiens chromosome 21 segment HS21C007	COLLAGEN ALPHA 1(III) CHAIN PRECURSOR	Homo septens thrombospondin 2 (THBS2) gene, promoter region and exons 1A and 1B	Homo espiens mannosidase, beta A, lysosomal (MANBA) gene, and ubiquitin-conjugating enzyme EZD 3	(UBE2D3) genes, complete ods	y/30e07.r1 Soares fetal liver spleen 1NFLS Homo sepiens cDNA clone IMAGE:128388 5	he38e05.x1 NC_CGAP_CML1 Homo sepiens cDNA done IMA(GE:28271312.3' simitar to contains Alu repolitive element;contains LTR8.t1 LTR8 repolitive element ;	qe65b05x1 Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone IMAGE:17438253'	qe85b05.x1 Sogres_fetal_tung_NbHL19W Homo septens cDNA clone IMAGE:17438253	URIDINE PHOSPHORYLASE (UDRPASE)	QV0-BT0283-101289-072-d07 BT0263 Homo sepiens dDNA	QV3-BN0046-220300-129-c10 BN0046 Homo septens cDNA	MYOSIN LIGHT CHAIN KINASE, SMOOTH MUSCLE (MLCK) [CONTAINS: TELOKIN]	hidsegs.x1 NCI_CGAP_Me15 Hamo septens cDNA clone IMAGE:317/1104 3' shnifar to contains MEK13.b1	MER13 repetitive element;	(186403.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo saplens cDNA clone IMAGE:2148389 3	Hamo sepiens protein tyrosine phosphatase, non-receptor type substrate 1 (P. I.P.NS.1) mich.A.	POLYPEPTIDE NACETYLGALACTOSAMINYLTRANSFERASE (PROTEIN-UDP ACETYLGALACTOSAMINYLTRANSFERASE) (UDP-GALNAC:POLYPEPTIDE, N-	ACE I YEGALACI COAMINI TELITAMASI ETANOE (CALLANCE I I)	XXT0b04.XT NG_CCAP_Pant Homo sapiens cuna gione imalce
Top Hit Database Source	FA	5	TOGGSSI	T	T	┪	EST_HUMAN	<u> </u>	ISSPROT	Į.		SWISSPROT	TN TN			EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	SWISSPROT	EST_HUMAN	EST_HUMAN	SWISSPROT		EST_HUMAN	EST HUMAN	NT		SWISSPROT	EST_HUMAN
Top Hit Acessian No.	2.0E-17 AL163247.2				20003	2.0E-17 AI798902.1	2.0E-17 AI798902.1	2 NE.17 AF213884.1	208183	1.0E-17 AJZ71736.1	1.0E-17 AL163207.2	P02481	1.0E-17 U79410.1		1.0E-17 AF224669.1	1.0E-17 R099421	1.0E-17 AW 468468.1	1.0E-17 AI185842.1	1.0E-17 AI185642.1	016831	1.0E-17 BE062744.1	1.0E-17 AW998538.1	028824		1.0E-17 BE221470.1	9.0E-18 AM72167.1	TN 7768977	1	007537	7.0E-18 AW316978.1
Most Similar (Top) Hit BLAST E Vetue	2.05-17	100	ZUE-17 [D13391.1	ZUE-1/ Factor	20E-1/1-38003	20E-17/	2.0E-17	2 OE-47	1.0E-17 P08183	1.0E-17	1.0E-17/	1.0E-17 P02461	1.0E-17		1.0E-17	1.0E-17	1.0E-17	1.0E-17	1.0E-17	1.0E-17 Q16831	1.0E-17	1.0E-17	1.0E-17 Q28824		1.0E-17	9.0E-18	8.0E-18		8.0E-18 Q07537	
Expression Signal	283	1	3 2	O.0	0.66	0.57	0.57	7	3.24	1.36	4.54	1.95	243		1.05	8.5	0.68	1.73	5.1	96.0	1.7	0.87	1.04		1.63	2.86	1.87		3.75	23.15
ORF SEQ ID NO:	36674		37044	37162			37191		28755		78772	28158	28374					33151				١					29747		29850	26361
SEQ ID	23189		23544	23667	23667	23683	23683	i		14751	14811	15141	15353		16626			L	1	1_			1	L	25825		1_	<u> </u>	16939	13438
Probe SEQ ID NO:	10284		19822	10746	10745	10772	10772	2000	764	į	582	22.22	28.63		3581	4162	9800	6089	6089	888	6868	10368	11747		13104	9585	3800		3800	8

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Top Hit Descriptor	xx10b04.x1 NCI_CGAP_Part1 Homo sapiens cDNA clone IMACE-2837071 3' similar to gb:1.20868 60S RIBOSOMAL PROTEIN L4 (HUMAN);	RC3-OT0081-170300-011-d03 OT0091 Hamo sapiens cDNA	xx10b04.x1 NCI_CGAP_Pen1 Homo sepiens dDNA dane IMAGE:2837071 3' similar to gb:L20868 60S RIBOSOMAL PROTEIN L4 (HUMAN);	xx10b04.x1 NCI_CGAP_Pan1 Homo sepiens cDNA done IMAGE:2837071 3' similar to gb:1.20868 60S RIBOSOMAL PROTEIN L4 (HUMAN);	Rattus norvegicus partial Gdn/Pn-1 gane for glla-derived nadn/protesse nedn I, enhancer region	PROTEIN-GLUTAMINE GAMMA-GLUTAMYLTRANSFERASE (TISSUE TRANSGLUTAMINASE) (TGASE C) (TGC)	Homo sepiens similar to high-mobility group (nontristone chromosomal) protein 4 (H. sepiens) (LOC63446), mRNA	Homo saplens chromosome 21 segment HS21C010	Hamp sepiens chromosame 21 segment HS210046	H.sapiens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8, 9, 13 and 14	genes	Human aconitate hydratase (ACO2) gene, exon 4	qm65g11.x1 Sceres_placenta_8tc6weeks_2NbHP8tc6W Hamo septens cDNA clone IMACE:1883668 3* similar to contains Alu repetitive element.	Human endogenous retrovhus HERV-P-T47D	MR0-HT0161-221089-002-c08 HT0161 Hamo saplens cDNA	Homo sapiens lymphocyte activation-essociated protein (LOC\$1088), mRNA	Homo sapiens lymphocyte activation-essociated protein (LOC51088), mRNA	WR1-SN0035-060400-001-g11 SN0035 Homo sapiens cDNA	AV650547 GLC Hamo sepiens cDNA dane GLCCGA02 3'	hostsho4.x1 NCI_CGAP_Ut1 Homo septens cDNA clone IMAGE:3039511 3' similar to contains MER29.b3 MER29 repetitive element ;	hoseho4.x1 NCI_CGAP_Ut1 Homo sepiens cDNA clone IMAGE:30385113' similar to contains MER29.b3 MER29 renatitive element:	nd24f11.s1 NCI CGAP Co10 Hamo septens cDNA done IMAGE:1144845 3' similar to gb:M263.28	KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	wisshoe.x1 NCI_CGAP_Corl6 Hamo sepiens cDNA clane IMAGE:2392085 3'	N-ACETYLACTOSAMINIDE BETA-1,8-N-ACETYLGLUCOSAMINYL IRANSFERASE (N- ACETYLGLUCOSAMINYLTRANSFERASE) (FBRANCHING ENZYME) (IGNT)
Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	ᅜ	SWISSPROT	Ę	Ę	¥			M	EST_HUMAN	NT	EST_HUMAN	NT	7	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HIMAN	N	EST_HUMAN	EST_HUMAN	SWISSPROT
Top Hit Acession No.	7.0E-18 AW316976.1	7.0E-18 AW887542.1	7.0E-18 AW316976.1	-		ञ्द्रपक्ष	11428155 NT	6.0E-18 AL163210.2					5.0E-18 AI280214.1	5.0E-18 AF087913.1	5.0E-18 BE143312.1	10242378 NT	10242378 NT	5.0E-18 AW887182.1	5.0E-18 AV650547.1	4.0E-18 BE044078.1	4 OE 49 DE044078 4		4.0E-18 AA621814.1	4.0E-18 AI738592.1	206430
Most Similar (Top) Hit BLAST E Vatue	7.0E-18	7.0E-18	7.0E-18	7.0E-18	6.0E-18 X71791.2	6.0E-18 P52181	6.0E-18	6.0E-18	6.0E-18		6.0E-18 X87344.1	6.0E-18 U87829.1	5.0E-18	5.0E-18	5.0E-18	5.0E-18	5.0E-18	5.0E-18	5.0E-18	4.0E-18	4 00	10.1	4.0E-18	4.0E-18	4.0E-18 Q06430
Expression Signal	23.15	0.85	2.67	2.67	1.28	4.3	. 264	0.67	1.54		2.06	285	17.6	0.89	6.63	3.28	3.26	620	3.2	104		5.	1.61	0.95	1.1
ORF SEQ ID NO:	26362							35082	L		38166		27144		36469	1				28480		<u> </u>	27744		28247
Exan SEQ ID NO:	13438		l			L	i	1_	24412		24593	25256	<u> </u>	L	22036	L.	L		L.	<u>L</u>	<u> </u>	13222	14759	<u>.</u>	15226
Pabe SEQ ID NO:	8	1191	12769	12769	3308	4777	858	8	11469		11657	12627	1150	5345	200	11823	44323	12849	12980	ź		8	1728	1906	24.

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Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	N-ACETYLLACTOSAMINIDE BETA-1,6-N-ACETYLGLUCOSAMINYLTRANSFERASE (N- ACETYLGLUCOSAMINYLTRANSFERASE) (HBRANCHING ENZYME) (IGNT)	arg3b08.xt Berstead colon HPLRB7 Homo sapiens cDNA clone iMAGE:2173139 3' similar to contains Altu repetitive element:	EN.	or23e06x1 Sogres_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:1627138 3'	m64s08.s1 NCL_CGAP_AM Homo sepiens cDNA clone IMAGE:1286998 simifar to contains L1.12 L1 repetitive element ;	EST88633 Pituñary glend, subtracted (protectin/growth hormone) II Homo saptens cDNA 6' end struitar to EST containing O family repeat	ob23h71.s1 NG_CGAP_Kid5 Homo saplens cDNA done IMAGE:1324581 3" straiter to SW:RS6_HUMAN P46782 40S RIBOSOMAL PROTEIN S5.;	CMO-BT0690-210300-298-g07 BT0650 Homo saplens cDNA	Homo sepiens chromosome 21 segment HS21C047	PMD-BN0081-100300-001-b08 BN0081 Homo septems cDNA	601884858F1 NIH_MGC_57 Homo sapiens cDNA clone IMAGE-4103652 5	df31h12.y1 Morton Fetal Cochiea Homo sapiens cDNA clone IMAGE:2485128 5	QV1-LT0038-150200-070-e07 LT0036 Homo sepiens cDNA	601114352F1 NIH_MGC_16 Homo sapiens cDNA clone IMAGE:3355044 5	DYNEIN GAMMA CHAIN, FLAGELLAR OUTER ARM	akissa07.s1 Scares_bissts_NHT Hamo sapiens dDNA done IMAGE:14096523' similar to TR:014577 014577 BAC CLONE RG114A06 FROM 7031, COMPLETE SEQUENCE.;	Human DNA, SINE repetitive element	Human DNA, SINE repetitive element	60202/164F1 NCI_CGAP_Bm67 Hamo sepiens aDNA clane IMAGE:4156670 5	Human IFNAR gene for interferon alpha/beta receptor	Human IFNAR gene for interferon alpha/beta receptor	IL3-HT0619-220700-222-C12 HT0619 Hamo sapiens cDNA	hB4g01.xt Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2979994 3' similar to contains MER19.t2 MER19 repetitive clement ;	aa88d11.rl Stratagene fetal retina 837.202 Homo sapiens cDNA clone IMACE:838485 5' similar to TR:031634 031834 POLYPEPTIDE PR77;	HTM1-160F1 HTM1 Homo septens cDNA
Top Hit Database Source	N SWISSPROT A	EST HUMAN	Т	П	EST_HUMAN IN			Т	П	EST_HUMAN F	EST_HUMAN @	EST HUMAN			SWISSPROT [	EST_HUMAN C	I IN	TN.	T_HUMAN			EST_HUMAN	EST HUMAN	Г	EST_HUMAN
Top Hit Acession No.	208430	4 NE-18 AIR81586 1	4.0E-18 A1017585.1	4.0E-18 AI017665.1	4.0E-18 AA746811.1	4 0E-18 AA371807.1	3 0E-18 AA814196 1	3.0E-18 BE088634.1	3.0E-18 AL 163247.2	3.0E-18 BE001671.1	3.0E-18 BF218650.1	3.0E-18 AW022015.1	2.0E-18 AW836820.1	2.0E-18 BE256097.1	Q39575	2.0E-18 AA868610.1	2.0E-18 D14547.1	2.0E-18 D14547.1	2.0E-18 BF347229.1	2.0E-18 X60459.1	2.0E-18 X60459.1	2.0E-18 BF352940.1	2.0E-18 AW665853.1	20E-18 AA457819.1	20E-18 BE439524.1
Most Similar (Top) Hit BLAST E Vatue	4.0E-18 Q08430	4.05.48	40E-18	4.0E-18	4.0E-18	4.0E-18	3 OF 18	3.0E-18	3.0E-18	3.0E-18	3.0E-18	3.0E-18	2.0E-18	2.0E-18	2.0E-18 Q39575	2.0E-18	2.0E-18	2.0E-18	2.0E-18	2.0E-18	2.0E-18	2.0E-18	2.0E-18	2.0E-18	20E-18
Expression Signal	7	ž.	2.20	228	0.67	4.70	887	356	1.31	6.43	1.76	5.15	5.97	67.85	127	3.85	3.38	3.38	1.67	-	-	0.75	4.42	0.72	0.52
ORF SEQ ID NO:	28248	20752			_	37826	19896	2888	29926	33444	37748		28274		29107		31644	31845		32598	32599	32724			34872
SEQ ID	15226	46046	1.	18539	1	1	1			1	24223	25412	13348	14197	16197	18585	L	18880	19063	19361	L				21455
Probe SEQ ID NO:	24.	9000	5000	5437	8178	41448	OH O	88	3972	802	11271	12774	251	1155	3140	5485	5584	6584	5978	68289	8238	6409	6451	07.07	8487

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Single Exon Probes Expressed in Bone Marrow

					,		
SEO ID NO:	SEO ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Detebase Source	Top Hit Descriptor
10407	23320	36813	1.31	2.0E-18	2.0E-18 AW151673.1	EST_HUMAN	xf87e10.x1 NCI_CGAP_Gas4 Homo sepiens cDNA clone IMAGE:2823146 3' similer to contains MER10.t2 MER10 repetitive element ;
10407		36814	1.31	2.0E-18	20E-18 AW151673.1	EST_HUMAN	x867e10.x1 NCI_CGAP_Gas4 Homo sepiens cDNA clone IMAGE:2823146 3' similar to contains MER10.t2   MER10 repetitive element;
11319	į .				2.0E-18 AW470791.1	EST_HUMAN	hs33d08.x1 NCI_CGAP_Kid12 Homo sapiens cDNA clone IMAGE:2876499 3' similar to contains THR.b3 THR repetitive element;
12039					2.0E-18 AW151289.1	EST HUMAN	xg47e09.x1 NCI_CGAP_Ut1 Homo capiens cDNA done IMAGE:2830728 3' similar to contains MER8.b2 MER8 repetitive element ;
12461	L				2.0E-18 BE255097.1	EST_HUMAN	601114352F1 NIH_MGC_16 Hamo sapiens aDNA dane IMAGE:3355044 5'
4445	17471		0.83		1.0E-18 T95406.1	EST_HUMAN	ye43g05.r1 Sogres fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:120538 5' similar to contains L1 repetitive element;
5429	1	31412			1.0E-18 AV653405.1	EST_HUMAN	AV653405 GLC Homo sapiens cDNA clone GLCDKE113'
2850	18746	31914		1.0E-18	1.0E-18 D00099.1	IN	Homo sepiens mRNA for Na,K-ATPase alpha-subunit, complete cds
5650	ſ	31915	1.87	1.0E-18	1.0E-18 D00099.1	NT	Homo sepiens mRNA for Na,K-ATPese alpha-subunit, complete cds
6597	19857	L	1.33		1.0E-18 AL163280.2	TN	Homo sapiens chromosome 21 segment HS210080
8785	21762	35174	1.13		1.0E-18 A1148288.1	EST_HUMAN	oods000ct Soares_senescent_fibroblasts_NbHSF Homo sepiens cDNA clone IMAGE:1680583 3' similar to contains L1.f1 L1 repetitive element;
							Human hereditary haemochromatosis region, histone 2A-like protein gene, hareditary haemochromatosis
10259	[				1.0E-18 U91328.1	뉟	(HLA-H) gene, Rakket gene, and sodium prospinate transporter (NP13) gene, complete cus
12412	25184	31821	6.49		1.0E-18 AF003529.1	ᅜ	Homo sapiens giypican 3 (GFC3) gene, parbai cds and nanking repeat regions
547	[	20540	5.55		9.0E-19 AA281961.1	EST_HUMAN	211d08.11 NCI_CGAP_GCB1 Homo sepiens cDNA clone IMAGE:712811 5' similar to contains MER19.12 MER19 repetitive element;
	Ĺ_				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1444 tu 1700	211d06.11 NCI_CGAP_GCB1 Home sapiens cDNA clone IMAGE:712811 5' similar to contains MER19.22
8 8	13015	<b>₩</b>	4.1		9.0E-19/AAZO1901.1	EST HIMAN	HSC22F051 normalized infant brain cDNA Homo septens cDNA clone c-23705
000	L	28420			0 0E-10 At 183713 2		Homo saplens chromosome 21 segment HS21 0003
200	L				9 0E-19 AL 163203.2	¥	Homo saplens chromosome 21 segment HS21C003
11462	24405	37963			9.0E-19 AB032969.1	ᅜ	Homo sapiens mRNA for KIAA1143 protein, partial cds
12172					9.0E-19 AA281961.1	EST_HUMAN	zd1d06.r1 NCI_CGAP_GCB1 Homo sepiens cDNA clone IMAGE:712811 5' similar to contains MER19.t2 MER19 repetitive element;
1050	L				8.0E-19 AW974902.1	EST_HUMAN	EST387007 MAGE resequences, MAGN Homo septems cDNA
4433					8.0E-19 P08548	SWISSPROT	LINE-1 REVERSE TRANSCRIPTASE HOMOLOG
8488	21456	34873			8.0E-19 BE158938.1	EST_HUMAN	MR0-HT0404-210200-001-g06 HT0404 Homo septens cDNA

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Top Hit Descriptor	Homo sepiens DEAD/H (Asp-Giu-Ale-Asp/His) box polypeptide 6 (RNA helicase, 54kD) (DDX8) mRNA	Rattus norvegicus cp151 mRNA, partial cds	BETA CRYSTALLIN A2	tb01c08.x1 NCI_CGAP_Lu26 Hamo septens cDNA clane IMAGE:2052302 3'	260b01.s1 Soares fetal Inversible on 1NFLS S1 Homo capiens cDNA clone IMAGE:435145 3	PM0-CT0248-131099-001-g01 CT0248 Homo sapiens cDNA	OLFACTORY RECEPTOR 6 (M50)	OLFACTORY RECEPTOR 6 (M60)	Homo sapiens Xq pseudoautosomal region; segment 1/2	DKFZp762F182_r1 762 (synonym: hmet2) Homo saplens cDNA clone DKFZp762F192 5	ZONA PELLUCIDA SPERM-BINDING PROTEIN B PRECURSOR (ZONA PELLUCIDA GLYCOPROTEIN 79-X1 (RCSS)	hh77b06.y1 NCI CGAP_GU1 Homo septens cDNA done IMAGE:2968787 6	Homo septems partial IL-12RB1 gene for IL-12 receptor beta1 chain, exon 14	VR7HO VI Scenes NE T GBC S1 Homo sectors a CNA clone IMAGE:2684171 3' shriliar to contains	Aprilozza Coares y La La Coares y La Coare	Homo sepiens mRNA, chromosome 1 specific transcript KIAACOU1	602130910F1 NIH_MGC_56 Homo septens cDNA clone IMAGE:42816/4 5	Homo septens mannosidese, beta A, fysosomal (MANBA) gene, and ubiquitin-conjugating enzyme EZD 3	(UBE-20.5) genes, complete cus	BETAZ AUKENEKGIC KECEP 1 OK	BETA-2 ADRENERGIC RECEPTOR	LIM-CNLY PROTEIN 6 (TRIPLE LIM DOMAIN PROTEIN 8)	LIM-ONLY PROTEIN 6 (TRIPLE, LIM DOMAIN PROTEIN 6)	AV708136 ADC Hamo septens cDNA clone ADCAMA11 5	Homo sepiens NPD008 protein (NPD008) mRNA, complete cds	Homo sepiens similar to aido-keto reductase family 1, member B11 (aidose reductase-like) (H. sepiens)	(LOC83222), mRNA	M. museulus mRNA for TPCR33 protein	Homo sepiens pharbolin I protein (PBI) mRNA, complete cds	Hamo septens chiramosame 21 segment HS21C001	qog1e02.x1 NCj_CGAP_Kd5 Homo sapiens CDNA clane iMAGE:1916698 3' smither to Incycesses y cossession POL/ENV GENE;
Top Hit Detabase Source			SWISSPROT B					ISSPROT		EST_HUMAN D	Z	Т	T		EST_HUMAN	╗	EST_HUMAN 6		7	П				T_HUMAN	NT.					Ł	EST HUMAN F
Top Hit Acession No.	4758139 NT	7.0E-19 AF092090.1		7.0E-19 Al344951.1	1	6.0E-19 AW852930.1			35.1			100		Ī	5.0E-19 AW183726.1	1	4.0E-19 BF697362.1		89.1				043900	3.0E-19 AV708138.1	3.0E-19 AF223467.1		11432214 NT	3.0E-19 X89685.1	3.0E-19 AF165520.1	2.0E-19 AL163201.2	20E-19 AB11783.1
Most Similar (Top) Hit BLAST E Vatue	7.0E-19	7.0E-19/	7.0E-19 P28444	7.0E-19	7.0E-19	6.0E-19	6.0E-19 P3488	6.0E-19 P34986	8.0E-19	6.0E-19	0 V	9-00-4 8-40-40-4	5.0E-19		5.0E-19	4.0E-19	4.0E-19		4.0E-19	3.0E-19 Q.28997	3.0E-19 Q28997	3.0E-19 043900	3.0E-19 043900	3.0E-19	3.0E-19		3.0E-19	3.0E-19			
Expression Signal	1.43	1.86	1.02	0.43	3.28	1.6	1.44	1.44	1.47	1.28		88.4	82.0	2	4.78	0.89	1.68		1.05	1.4	4.1	0.69	0.69	1.79	0.63		1.81	1.11	16.28	27.04	123
ORF SEQ ID NO:	28296	32030	33845	36771			30403	30404		30954		32242			38329				31481	29812	28813							34539		28588	
SEQ ID	15274	19658	20484	23295	26969	16833	17515	17516	17854	18074		200	22744		24747	L	1	ı	18571	16905	16905		1	1_	L	L	20572		1_	Ĺ	$ldsymbol{\sqcup}$
Probe SEQ ID NO:	7357	86598	7519	10372	12313	3792	84	4490	4837	5064		5958	40700	3	11865	258	ğ		5470	3866	3888	4315	4315	4475	5352		7612	9814	12552	2587	4474

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Г	<del></del>	Ţ	٦	٦	7	Т	<b>9</b>	<u> </u>	Γ	2			Т	Т	_	Т	Т	Т	Т	Ţ	2	T	Т	Т	Т	T	T	Т	T	Τ	T	T		7
	Top Hit Descriptor	AV731382 HTF Hamo sepiens cDNA clone HTFAZC06 5	Mus muscufus keratin-essociated protein 9-1 (Krtap9-1), mRNA	2634c09.11 Soares refina N254HR Homo saplans cDNA clone IMAGE:380880 5	OLFACTORY RECEPTOR-LIKE PROTEIN OLF2	601304125F1 NIH_MGC_21 Homo septens cDNA clone IMAGE:3838310 5	yo79g07.rf Soares eduit brein N2b4HB65Y Homo sepiens cDNA clone IMAGE:184188 5' similar to contains MFR10 receitible element :	Human cene for Ab-receptor, exon 7-9	William ( VIDNC4) mRNA	Home sapiens protein tyrostre phospitatisse, nor-receptur type suitsuese ( ( 1717-) 1 1114 MED97 W	ej496-12.s.1 Sceres_testis_NHT Homo sapiens cDNA clone IMA(4E-1383031 3 similia to contains MENS7.L. MEN37 repetitive element ;	xd88h10x1 Sogres_NRL_T_GBC_S1 Hamo sapiens cDNA clone IMAGE:2604739 3' shrilar to contains	L1.b2.L1.L1 repetitive element;	Oryctolagus cuniculus sodium/dicarboxylata cotransporter mRNA, partial cds	nh22d03.s1 NCI_CGAP_Pr1 Homo sapiens cDNA clone IMAGE:953093 shrillar to contains L1.f1 L1	repetitive element;	Oryctolagus curticulus Na+/glucose cotransporter-related protein mXnN, complete cds	Oryctolagus cuniculus Na+fglucose cofransporter-related protein mKNA, complete cos	Homo sepiens pitultary tumor transforming gene protein (P11G) gene, complete cos	Rabbit phosphorylase kinase beta subunit mRNA, complete cds	ye72b02.rf Sceres fetal liver spleen 1NFLS Homo Saptens cDNA clone IMAGE:122243 5 similiar to comeans	OFR repetitive element;	Human dystrophin (DMD) gene, exons 7, 8 and 9, and partial cos	RCO-ST0174-191099-031-b05 ST0174 Homo septens CDNA	ly31e09.r1 Soares melanocyte 2NbHM Homo sapiens cUINA crone IMAGE:2/2012 3	di49h01.y1 Morton Fetal Cochlea Homo sapiens cDNA crorie INACE: 2437000 3	Mus musculus keretin-essociated protein 9-1 (Krtap9-1), mrKNA	Mus musculus keratin essociated protein 9-1 (Krisp9-1), mKNA	agget09.x1 Soures_NFL_T_GBC_S1 Home sapiens cDNA clone IMAGE::1842089 3'	qg86f09.x1 Sozres_NFL_T_GBC_S1 Home sapiens cDNA clone IMAGE:1842089 3"	PNA ANDOS6.050900-003-604 ANDOS6 Hamo sepiens cDNA	DKFZp547D092_r1 547 (synonym: htfbr1) Homo sapiens cDNA clone DKFZp547D092 5	INTEGRATION OF THE PARTY SERVICES AND COMMENT OF THE SERVICE SERVICE OF THE PARTY SERVICES OF THE PARTY OF TH	MEKA repenive element,
	Top HR Database Source	EST_HUMAN	Ę	EST HUMAN	3 Y Z	EST HUMAN	EST HIMAN	LY LY	Ž	Ę	EST HUMAN		EST_HUMAN	노		EST_HUMAN	IN	Ę	NT	NT		EST HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	TN	IN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN		EST HUMAN
,	Top Hit Acession No.	2.0E-19 AV731382.1	27286	Γ		11.1				4758977 NT	1 0E-19 AA834967.1		1.0E-19 AW117377.1			1.0E-19 AA595527.1			3.1			199820.1	J60822.1	1.0E-19 AW812259.1	V44631.1	1.0E-19 AW023137.1	7657286 NT	7657286	8.0E-20 A1221371.1	8.0E-20 At221371.1	7.0E-20 BF326455.1	7.0E-20 AL 138120.1		7.0E-20 AA557857.1
	Most Similar (Top) Hit BLAST E Value	2.0E-19	2.0E-19	2 OF-19 A	2.0E-19 Q95155	1.0E-19	4 OC 000 100 4	1.05-19 1.30783.1	T.0⊏-19 L	1.0E-19	1.0E-197		1.0E-19	1.0E-19 U12188.1		1.0E-19	1.0E-19 U08813.1	1.0E-19 U08813.1	1.05-19	1.0E-19 M84857.1		1.0E-19 T99920.1	1.0E-19 U60822.1	1.0E-19	1.0E-19 N44631.1	1.0E-19	8.0E-20	8.0E-20	8.0E-20	8.0E-20	7.0E-20	7.0E-20		7.0E-20
	Expression Signel	0.61	0.72	938	990	211	8	00.1	2.48	4.28	1 18		0.0	273		0.63	0.99	0.89	0.71	1.72		2.74	76.0	27.33	21	3.69	246	2.45	1.31	1.31	0.72	5.56		9.11
	ORF SEQ ID NO:	32480						<b>28</b> 211			20384			32502			34213			36182				36964			33143				L			35227
	Exem SEQ ID NO:	19247			L	1	L	L	15723	15920	18480		18195		L	25995	L	1				22059	L		1_	<u></u>	L				L	1_	L	21808
	Probe SEQ ID NO:	8472	1 2 2	3 8	286	482		2174	2728	2860	2412	715	5188	6193		6833	7890	7890	8085	8783		806	10106	10547	10557	11809	888	8833	77B4		3280	7488	3	8841

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Top Hit Descriptor	n46c04.s1 NCI_CGAP_P14 Homo sapiens cDNA clone IMAGE:1043718 similar to contains MER29.b2 MER29 repetitive element ;	Homo septens ribosomal protein L13a (RPL13A), mRNA	ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY	601441231F1 NIH_MGC_72 Hamo sepiens cDNA clane INAGE:3916231 5	AV725123 HTC Hamb sapiens cDNA clane HTCBTA01 5	AF075301 Human fetal liver cDNA library Homo sapiens cDNA clone HA0250	zh/78d08.s1 Soares_fetal_liver_spiesn_1NFLS_S1 Homo sapiens cDNA clone IMAGE:418191 3' stmitar to contains MER30.t1 MER30 repetitive element ;	zh78d08.s1 Soares_fetal [iver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:418191 3' similar to	CONTAINS MEKSOLT MEKSOLT PERSON (CONTAINS)	MR3-H10487-150200-113-g01 H10487 Homo septems curva	Mus musculus MMAN-g mRNA, complete ods	Mus musculus MMAN-g mRNA, complete ods	HYPOTHETICAL PROTEIN DJ845024.1	Homo sapiens chromosome 21 segment HS21C047	HISTONE H2B C (H2B/C)	tz84g03.x1 NCI_CGAP_Ov35 Hamp sepiens aDNA dane IMAGE:2283396 3"	QV3-DT0043-090200-080-c04 DT0043 Homo sepiens cDNA	Human BXP21 gene	OLFACTORY RECEPTOR-LIKE PROTEIN 114	zig8b12.s1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:484895 3' similar to contains L1.t3 L1 repetitive element ;	Human DNA, SINE repetitive element	601843561F1 NIH_MGC_54 Hamo septens cDNA clane IMAGE:4064343 5	RETROVIRUS RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE; ENDONUCI EASE]	of Todo2 x1 NCI CGAP Kids Homo septens cDNA clone IMAGE:1864803 3' similar to contains Alu repetitive	element	g/70d02xf NCI_CGAP_Kd3 Homo saplens cDNA clone IMAGE:1864803 3' similar to contains Alu repetitive	element;	601514180F1 NIH_MGC_71 Hamo sepiens cDNA clane IMAGE:3915522 5	x/24610.x1 NGL_CGAP_UV4 Homo septens dDNA clone IMAGE:2761098 3' stimiter to SW:RS5_MOUSE P97461 40S RIBOSOMAL PROTEIN S5. ;
Top Hit Database Source	LHUMAN		ISSPROT	EST_HUMAN	EST_HUMAN /	EST_HUMAN /	EST HUMAN	П	┑	EST_HUMAN	TN	¥	SWISSPROT		SWISSPROT		EST_HUMAN		SWISSPROT	EST HUMAN	Г	EST_HUMAN	SWISSPROT	Т	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acesslan No.	7.0E-20 AA557657.1	6912833 NT		6.0E-20 BE622434.1	5.0E-20 AV725123.1	5.0E-20 AF075301.1	5.0E-20 W 90525.1		5.0E-20 W90525.1	5.0E-20 BE165980.1	5.0E-20 AB028174.1	5.0E-20 AB028174.1	9608090	4.0E-20 AL163247.2	289880	4.0E-20 AI874352.1	4.0E-20 AW937469.1	J03888.1	PZ8Z73	3.0E-20 AA037616.1	014547.1	3.0E-20 BF185264.1	041380	200	3.0E-20 AI284244.1		3.0E-20 AI284244.1	3.0E-20 BE888422.1	2.0E-20 AW303868.1
Most Similar (Top) Hit BLAST E Value	7.0E-20/	7.0E-20	6.0E-20 P39188	6.0E-20	5.0E-20/	5.0E-20	5.05-20		5.0E-20	5.0E-20	5.0E-20	5.0E-20/	5.0E-20 O60809	4.0E-20/	4.0E-20 Q99880	4.0E-20	4.0E-20	3.0E-20 U03888.1	3.0E-20 PZ3Z73	3.05-20	3.0E-20	3.0E-20	a nE. 20 (D41380	2000	3.0E-20				
Expression Signal	9.11	6.31	3.83	2.98	1.05	1.19	40		50	62.0	1.24	1.24	0.93	1.73	0.89	5.27	1.9	0.91	1.63	143	3.32	0.68	8	8.	8.22		8.22	4.15	33.91
ORF SEQ ID NO:	35228	l	29535	30210		33636		İ		34822		35583		27635			37286		30153	L	L	37099			38308	L	38300	L	
SEO ID NO:	21808	24899	16613	17330	17847	20283	24248		21248	21409	22153	22153	21123	14657	I	<u>L</u> _	23785	Ι.	17266	1	1	1		2027	24723	1_	24723	l	
SEQ D	8841	12023	3568	4301	4626	7322	77.08		8277	8440	9187	9187	0086	1624	5732	8228	10865	2149	4237	4655	7828	10684	5	11024	11840		11840	12329	83.

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Top Hit Descriptor	ng69h09.s1 NCL_CGAP_Lip2 Homo sapiens cDNA clone IMAGE:940097 similar to TR:G1224068 G1224066 ORF2: FUNCTION UNKNOWN.;	ng69fn09.81 NCI_CGAP_Lip2 Hamo sapiens cDNA dane IMAGE:340097 similier to TR:G1224068 G1224068 ORF2: FUNCTION UNKNOWN.;	xzzecto.xt NCI_CGAP_Ut4 Homo septens cDNA clone IMAGE:2761098 3' similar to SW:RS5_MOUSE P97461 40S RIBOSOMAL PROTEIN S5. ;	ZONADHESIN PRECURSOR	ZONADHESIN PRECURSOR	EST180326 Liver III Home sapiens cDNA 5' end	Homo sapiens RGH1 gene, retrovirus-like element	Homo sapiens RGH1 gene, retrovirus-like element	CHR220310 Chromosome 22 exan Homo sepiens cDNA clone C22_391 5	Z11d08.r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:712811 6' shrillar to contains MER19.t2 MFR19 receithe element:	ALL CONTROL CO	hre4b08X1 NC_CK4P_Kid11 Homo sepiens CLNA cone IMA(3=:3133135) 5 Similar to comeins L1.12 L1 repetitive element;	AF049567 Human activated dendritic cell mRNA Home sapiens cDNA clone GA05	Homo sapiens Autosomal Highly Conserved Protain (AHCP), mRNA	Homo sepiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7-49, and pertial cds, alternatively spiced	ne80g08.rt NCI_CGAP_Prf Homp sepiens cDNA clone IMAGE:745694 similar to contains L1.t3 L1	repetitive element;	AJ003514 Selected chromosome 21 cDNA library Homo sapiens cDNA done MPIp112-8J21	RC3-NN0068-090500-021-b03 NN0068 Homo sepiens cDNA	5630602.71 NIH_MGC_10 Homo sepiens cDNA close IMAGE:2984714 5' similer to SW:NIAM_HUMAN 095169 NADH-UBIQUINONE OXIDOREDUCTASE ASHI SUBUNIT PRECURSOR;	db71f06.s1 NCI_CGAP_GCB1 Hamo sapiens dDNA clane IMAGE:1336835 3'	ATP SYNTHASE A CHAIN (PROTEIN 8)	LAMININ BETA-2 CHAIN PRECURSOR (S-LAMININ) (LAMININ CHAIN B3)	LAMININ BETA-2 CHAIN PRECURSOR (S-LAMININ) (LAMININ CHAIN B3)	Hamo sepiens chramosame 21 segment HS21C100	zk67e08.r1 Sceres_pregnant_uterus_NbHPU Homo septiens cDNA clone IMAGE:487858 5	Homo sapiens chromosome 21 segment HS21C018
Top Hit Detraberse Source	EST_HUMAN G	EST_HUMAN G		SWISSPROT Z	SWISSPROT	EST_HUMAN E	NT	N T	EST_HUMAN C	Z NAMI IH TAR	Т	EST_HUMAN IN	EST_HUMAN A		<u> </u>		EST_HUMAN n	EST_HUMAN A	EST_HUMAN F	EST HUMAN	Т	Г	Γ			EST_HUMAN 2	
Top Hit Acession No.	2.0E-20 AA516335.1	_	5			2.0E-20 AA309457.1			155371.1	A 204084 4	1.05-20 ///20101.1	1.0E-20 BF115158.1	1.0E-20 AF049567.1	11418491 NT	1 0E-20 AF223391.1		1.0E-20 AA420453.1	9.0E-21 AJ003514.1	9.0E-21 AW898189.1	8 OE-21 AW674891.1		02/330	P15800	P15800	7.0E-21 AL163300.2		7.0E-21 AL163218.2
Most Similar (Top) Hit BLAST E Value	2.0E-20	2.0E-20	2.0E-20	2.0E-20 Q28983	2.0E-20 Q28983	2.0E-20	2.0E-20 D10083.1	2.0E-20 D10083.1	2.0E-20 H55371.1	1 05 30	1,00-20,1	1.05-20	1.0E-20	1.0E-20	1.05-20		1.0E-20	9.0E-21	9.0E-21	8.0E-21	8.0E-21	8.0E-24 024330	7.0E-21 P15800	7.0E-21 P15800	7.0E-21	7.0E-21	7.0E-24
Expression Signal	88.	3.88	15.67	4.76	4.76	60	7.58	7.56	3,98	6,	4.32	2.	2	224	2 44		3.09	-	3.77	1 13	4.38	294	1.59	1.59	0.63	5.22	0.81
ORF SEQ ID NO:	27107			30886	L	34840			L		2000	30380		L							38330	1_	28115				32800
Exan SEQ ID NO:	14157	14157	13888	17008	17998	21424	1	L	ı	4.000	19822	17493	1.		24784		25215	1	25023		1.	L	L		1_		Ш
Probe SEQ ID NO:	14	1113	2828	883	4983	8455	9545	9545	12703		202	4487	67.07	8518	44870		12458	2923	12175	8	41868	12342	2082	2082	3716	4283	6573

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Table 4
Single Exon Probes Expressed in Bone Marrow

Single Exon Probes Expressed in Borne mailtow	Top Hit Descriptor	Homo septens dNT-2 gene for mitochandrial 5(31)-decayribanucleoticisse (dNT-2 gene), exans 1-5	Human chromosomal protein HMG1 related gene	RC0-CT0301-271199-031-F03 CT0301 Homo sapiens cDNA	2073d03.s1 Soeres_fetal_heart_NbH119W Homo septens dONA clone IMAGE;398981 3' shrikar to gb.M14338 VITAMIN K-DEPENDENT PROTEIN S PRECURSOR (HUMAN);conteins THR.t3 OFR	repetitive element;	Homo sepiens PTD013 protein (PTD013), mRNA	601304125F1 NIH_MGC_21 Hamo sapiens aDNA clone IMAGE:3638310 5'	PM1-HT0454-080100-002-h09 HT0454 Hano sapiens cDNA	601649871F1 NIH_MGC_74 Hamo sepiens cDNA clone IMAGE:3833880 5	Homo sepiens melanoma antigen, family C, 1 (MAGEC1), mRNA	he05e10.x1 NCI_CGAP_CML1 Homo septens cDNA clone IMAGE:2918154 3'	783d11.x1 NCI_CGAP_Pr28 Home septens cDNA clone IMAGE:3303573 3' similar to contains OFR.t1	To I repoure position of it follows	INC FINGER PROTEIN GLIT (GLF1)	ZINC FINGER PROTEIN GL1 (GL-1)	과2c04. ri Sogres, testis_NHT Homo sapiens cDNA clone IMAGE:727878 5	0088608.s1 NG_CGAP_Kid5 Homo sapiens cDNA clone IMAGE:1573084 3' similar to TR:Q18530 Q18530 PMS3 MENA ;contains OFR.t1 OFR repetitive element;	Rattus narvegicus mRNA for rTIM, complete ods	Human hereditary haemochromatosis region, histone 2A-like protein gene, hereditary haemochromatosis (HLA-H) gene, RoRet gene, and soditum phosphate transporter (NPT3) gene, complete cds	zq15d06.s1 Stratagene fetal refina 937202 Homo sapiens cDNA clone IMAGE:629771 S'	Homo sapiens chromosome 21 segment HS21C001	Homo sepiems L.CM/DZB gene	Homo sepiens dNT-2 gene for mitochandrial 5(3)-deasyribanucleotidase (dNT-2 gene), exans 1-5	Homo sepiens dNT-2 gene for mitochondrial 5(3)-decayribonucleotidase (dNT-2 gene), exons 1-5	AV661044 GLC Homo saplens dDNA dane GLC30A10 3'	601844465F1 NIH_MGC_54 Homo sapiens cDNA clone IMAGE:4084945 5'	RC1-OT0083-100800-019-g08 OT0083 Hamo sapiens cDNA
Xon Probes	Top Hit Database Source	NT H	TN TN	EST_HUMAN   F		1 EST HUMAN I			EST_HUMAN F	T HUMAN		EST_HUMAN h		T	T	٦	EST HUMAN 2	EST_HUMAN F	F	<u> </u>	T_HUMAN		NT.	Į.	- L	EST_HUMAN /	П	EST_HUMAN F
alphic	Top Hit Acessian No.	7.0E-21 AJZ77557.1		7.0E-21 AW858922.1	-	AA723404.1	7706888	6.0E-21 BE408811.1		5.0E-21 BE968639.1	85474	5.0E-21 AW440864.1	,	- 3			5.0E-21 AA393574.1	4.0E-21 AA970713.1	_		-				3.0E-24 AJZ77557.1	3.0E-21 AV681044.1	3.0E-21 BF184739.1	3.0E-21 BF361093.1
	Most Similar (Top) Hit BLAST E Value	7.0E-21	7.0E-21 D14718.1	7.0E-21			7.0E-21	6.0E-21	8.0E-21	5.0E-21	5.0E-21	5.0E-21	70	0.0E-21	5.0E-21 Q91690	5.0E-21 Q91690	5.0E-21	4.0E-21	4.0E-21	4.0E-24	3.0E-21	3.0E-24	3.0E-21	3.0E-21	3.0E-24	3.0E-21	3.0E-21	3.0E-21
	Expression Signal	1.42	11.21	0.82		1.60	1.67	1.68	0.50	3.18	6.18	0.02	8	08.0	0.43	0.43	5.38	28.	3.35	69 0	1.05	1.48	4.17	850	0.93	0.74	1.89	7.18
	ORF SEQ ID NO:	35124	35411	36891		37540	38094				30753				37374	37375		27762	33386			L			31637			33306
	SEQ ID	21699				24017	24537	17163	22455		17856						25081	14777			1_			l	18673	L		Ш
	Probe SEQ ID NO:	8731	8024	10472		11054	11599	4130	94 <del>9</del>	4390	4839	6927		(213	10939	10939	12255	1748	7055	10439	1854	2282	3096	5577	5577	5828	8303	7271

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Table 4
Single Exon Probes Expressed in Bone Marrow

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	Top Hit Descriptor	ALPHA-24MACROGLOBULIN PRECURSOR (ALPHA2M)	Homo sapiens gane for activin receptor type IIB, complete cds	Homo saplens HSPC220 mRNA complete ods	ESTRATABLE Entral Incomp. Strategies (Cartillity 2009) Homo seatients CONA clone HFBCF07	1. The state of th	ONO SEPTION I CONTINUED TO THE CONTINUED	wx05g07.x1 NC_CGAP_Gas4 Hamo sepiens curva dane invive=.co4ze12.5	Human DNA, SINE repetuve etentan	Homo sapiens chromosome Z1 segment NSZICTUS	Human dystrophin (DMD) gene, excris 7, 8 and 9, and be used to a second of the control of the co	RESZYDOBYA NCI_CGAP_Prze Homo sepiens con come image: 3233036 3 soniem to convenie mage	repetitive element	Homo seplens Xq pseudoautosomai region; segment 172	AV703223 ADB Hamo sapiens CDNA clane ADBAUE12 5	Homo sapiens chromosome 21 segment HS21C002	601882813F1 NIH_MGC_67 Homo equiens cDNA clone IMAGE:4095434 5	Homo sapiens chromosome 21 segment HS21C009	the AMC I CGAP Cort Homo septems cDNA clone IMAGE: 2156811 3' similar to gloc 19583 HIGH	AFFINITY INTERLEUKIN-8 RECEPTOR B (HUMAN);contains L1.t1 L1 repetitive element;	Weethary NCI CSAP BINZS Homo septens CONA clone IMAGE:2428839 3' similar to SW:RL21_HUMAN	P46778 60S RIBOSOMAL PROTEIN LZ1.;	Human chromosomal protein HMG1 related gene	obzect/x1 Scenes pregnant uterus Nib-IPU Homo septens cDNA clone IMAGE:1697680 3' similar to	contains MER12.t2 MER12 repetitive element;	QV6-HT0368-090200-099-H2 HT0368 Homo sapisns cDNA	RC5-BT0707-150300-021-H10 BT0707 Homo saptems cDNA	Rrestus RYZG5 mRNA for a potential ligand-binding protein	Restrus RY2G5 mRNA for a potentiel ligand-binding protein	yx73d05.s1 Soares melancoyte 2NbHM Homo sapiens dDNA clone IMAGE:26/369 3	IMMEDIATE EARLY GENE 13 PROTEIN PRECURSOR	Homo sarolens protein kinasa, AMP-activated, gamma 3 non-catalytic subunit (PRKAGS), mRNA	PA/1-STD282-28/199-001-412 ST0282 Homo saplens cDNA	*** Anna A Syames senescent flandsless NIDHSF Homo septens CDNA clone IMAGE:322873 6' shriller to	gby/72308 MONOCYTE CHEMOTACTIC PROTEIN 3 PRECURSOR (HUMAN);	RCo-TN0079-160900-025-h12 IN0079 Homo septens curvin	
-	Top Hit Database Source	SWISSPROT	5		14000	HOMAN	٦	L HUMAN			T.		T_HUMAN	± E	T_HUMAN	Г	T HUMAN	Γ		EST HUMAN	T	EST HUMAN	Г		EST HUMAN	П	EST_HUMAN		Ę	T HUMAN	Т	EN LA	TOT LINAN	Т		EST HUMAN	ı
	Top Hit Acesslon No.		4.4	T	_			1		12	5.0E-22 U60822.1		5.0E-22 BF478511.1	4.0E-22 AJZ71735.1	4.0E-22 AV703223.1	4 OF-22 At 163202.2	4 0F-22 BF218030.1	4 OF 22 A1 482 200 2	ALTOSOUS.Z	9 NC 22 A1480870 4	Troopie.	3 nE.22 AIREG038.1	o of 22 D14718 1		3 0E-22 Al090125.1	3.0E-22 BE158813.1	3.0E-22 BE089841.1	3.0E-22 X60680.1	3 0F-22 X60860.1	2 OF-22 N24942.1	0 05 22 02 04B	CAOLOGO CINA	A VOLUME	20E-22 AW61 / 194.1	2.0E-22 W39458.1	2 0F-22 BF092118.1	
	Most Similar (Top) Hit BLAST E Vatue	7 0E-22   O61838	7 20 20	1.0E-22	/.UE-22	7.0E-22 M78590.1	7.0E-22/	6.0E-22	5.0E-22 D14647.1	5.0E-22	5.0E-22		5.0E-22	4.0E-22	4.0E-22	4 OF-22	4 OF-22	18	4.05-22	200	3.05-22		I	3000	3.0E-22	3.0E-22	3.0E-22	3.05-22	3 OF-22	2 OF-22	1			20E-22			j
-	Expression Signal	238		/80	2.48	3.86	1.82	1.88	0.72	3.05	7.82		2.76	0.83	0.42	85.8	2.45		2/4	8	-1.00	245	20.17	D8:1	288	124	3.4	77.0						128	1.34		
	ORF SEQ ID NO:	6000	1	30899		35578	36349			32998	37098				24824		27583					90500	26707		20752		24084						28388		32232		
	Exan SEQ ID NO:	13071	3	1888 888	2002	22150	22888	21562	18281	19723	23604		25413	1_		1.	00000	┙	25518		14013			16723	470EE		L	L		1				17282	25648	1.	18372
	Probe SEQ ID NO:	5	212	5078	9038	9184	8884	8584	5285	8888	10680		12776	3850	2773	71.0	8/8	2	12938		88	į	200	3686	7000	200	2100	300	30/0	8/03	19/0	2528	883	4263	595		6301

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Single Exon Probes Expressed in Bone Marrow

. Top Hit Descriptor	qi76h06.x1 Soeres_NhHMPu_S1 Homo septens cDNA clone IMAGE:1878299 S' similar to contains MER20.t3 MER29 repetitive element;	InvO4h11.s1 NCI_CGAP_Pr22 Homo sepiens dDNA clone IMAGE-1218260 31	InvoAh11.s1 NCL_CGAP_Pr22 Homo sepiens aDNA dane IMAGE:12192893	y/88c09.rf Soares Infant brain 1NIB Homo sapiens cDNA clone IMAGE:28740 6	he24f04.x1 NCI_CGAP_KId12 Homo septens cDNA clone IMAGE:2874665 3	Hamb sepiens chromosome 21 segment HS210080	PMA-SN0020-010400-008-h02 SN0020 Homo septens cDNA	Human familial Abheimer's disease (STM2) gane, complete cds	Human DNA, SINE repetitive element	Homo sepiens X-linked anhidrotic ectodermal dysplesia protein gene (EDA), exon 2 and flanking repeat proteins.	Hegina Section And Lot Bracen Line And Line And L	MRO-B10659-220200-002-ND/ B10659 Homo septens curva	qz09b07x1 NCL_CGAP_CLL1 Homo sapiens cDNA clone IMAGE;2020881 3' similar to contains MEKZ8,bZ MER29 repetitive element;	q208D07.x1 NCI_CGAP_CIL1 Homo septens cDNA clone IMAGE:2020981 3' similar to contains MER29.b2	WER29 repetitive element;	IL2-UM0076-070400-081-F11 UM0076 Homo septems cDNA	Gailus gailus Dach2 protein (Dach2) mRNA, complete ods	AV647246 GLC Hamo septems cDNA clane GLCAWC073'	Horno sapiens Not56 (D. melanogaster)-like protein (NOT56L) mRNA	Rattus norvegicus RIM1B (Rim1B) mRNA, complete cds	Homo sapiens chromosome 21 segment HS21C049	Homo sepiens mannosidasse, beta A, lysosomal (MANBA) gene, and ubiquith-conjugating enzyme E2D 3 (UBE2DS) genes, complete cds	Homo saptens mannosidese, beta A, tysosoma (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3 // IRESD'S) across commists ods.	Instant of Some heats NHT Home series CDNA close IMAGE:1839460 3' similar to	SW-MV10_MOUSE P23249 PROTEIN MOV-10.;	Homo sepiens chromosome Xq28 melanoma antigen family A2a (MAGEA2A), melanoma antigen family A12	(MAGEA12), melanoma antigen family A2b (MAGEA2B), melanoma antigen family A3 (MAGEA3), caltractin	(CALT), NAD(P)H dehydrogenase-like protein (NSLHL), and LIP	Pongo pygmaeus olfactory receptor (PPY116) gene, partial cds	Pongo pygmseus offactory receptor (PPY115) gene, partial cds
Top Hit Delabase Source	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST HUMAN	EST_HUMAN	5	EST_HUMAN	F	M	ţ	Z	EST_HUMAN	EST HUMAN		<b>EST_HUMAN</b>	EST HUMAN	NT	EST_HUMAN	Ϋ́	Ŋ	NT	¥	ţ		EST_HUMAN			보	LN.	보
Top Hit Acession No.	2.0E-22 AIZ78522.1	2.0E-22 AA715315.1	2.0E-22 AA715315.1	115209.1	2.0E-22 AW418960.1	20E-22 AL 163280.2	1.0E-22 AW865517.1	J50871.1	J14547.1	1000000	1.0E-22 AF003528.1	1.0E-22 BE084667.1	Al365435.1		1.0E-22 AI365435.1	9.0E-23 AW802801.1	8.0E-23 AF198349.1	7.0E-23 AV647248.1	5031952 NT	8.0E-23 AF199333.1	8.0E-23 AL163249.2	6.0E-23 AF224669.1	7 0007 001	6.0E-23 AF224008.1	6.0E-23 AI208130.1			5.0E-23 U82671.2	6.0E-23 AF179818.1	AF179818.1
Most Similar (Top) Hit BLAST E Value	2.0E-22/	2.0E-22	2.05-22	2.0E-22 R15209.1	2.0E-22	20E-22	1.0E-22	1.0E-22 U50871.1	1.0E-22 D14547.1	10.	1.0E-22/	1.0E-22	1.0E-22 Alse5435.		1.0E-22	9.0E-23	8.0E-23	7.0E-23	7.0E-23	8.0E-23	6.0E-23	6.0E-23	20 10 0	0.0E-20.0	8.0E-23			5.0E-23	6.0E-23	5.0E-23
Expression Signal	<u>8</u> ;	0.65	99.0	0.55	1.58	1.92	1.78	1.82	1.40	,	1.5	0.95	9.0		0.8	9.05	0.73	1.98	4.11	1.68	1.13	4.64		46.4	3.03			4	3.66	3.25
ORF SEQ ID NO:	36456	36556	36557	37426	38525	31705	27817	28606				34347	37354	İ	37355		20548		37852		30206		<u> </u>	31835	31795		•	31552		32679
Earn SEQ ID NO:	22888	23081	23081	23911	24927	25504	14921	15589	16470	L		20863	73838	L	23838		L	L	L	L	17328	25090		22088	25228	L		18618	Ш	25659
Probe SEQ ID NO:	10061	10156	10156	10891	12054	12139	1896	2588	3422		5295	8015	10018		10918	12891	3686	3822	11376	3447	4297	12284		12281	12480			5519	6367	7671

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igie Exoli Flores Expressed III Dones indicow	Top Hit Descriptor Source	NT Homo saplens chromosome 21 segment HS21C027	NT Homo sapiens chromosome 21 segment HSz1C027	205g09.r1 Sceres, pregnant, uterus, NbHPU Homo sepiens cDNA clone IMAGE:503968 67 shriiter to contains MER29.t2 MER29 repetitive element;	NT Human endogenous retroviral element HC2	NT Human endogenous retroviral element HC2	EST_HUMAN RC3-NIN0066-270400-011-h01 NIN0068 Hamo sapiems cDNA	NT Homo saplens KIAA0851 gene (partial), XT3 gene and LZTR.1 gene	NT Human matrix Gla protein (MGP) gene, complete cds	SWISSPROT   TEMASCIN-X PRECURSOR (TN-X) (HEXABRACHION-LIKE)	SWISSPROT   TENASCIN-X PRECURSOR (TN-X) (HEXABRACHION-LIKE)	qs73f1.x1 NCL_CGAP_Pr28 Homo sepiens dDNA clone IMAGE:1943767.3' similer to TR:Q13537 Q13537 EST_HUMAN   MER37 TRANSPOSABLE ELEMENT, COMPLETE CONSENSUS SEQUENCE.;	EST_HUMAN MR3-HT0487-160200-113-g01 HT0487 Homo saplens eDNA	EST_HUMAN   w18a02.r1 Sognes fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:205418 51	EST_HUMAN   yr18e02.r1 Soeres fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:205418 5	NT Human DNA, SINE repetitive element	Homo septems cylochrome P450 polypeptide 43 (CYP3A43) genes, partial cds; cylochrome P450 polypeptide 7 (CYP3A7) genes, complete cds; and cylochrome P450 polypeptide 7 (CYP3A7) genes, complete cds; and cylochrome P450			NT Homo saplens T cell receptor beta locus, TCRBV7S3A2 to TCRBV12S2 region	NT Homo septiens chromosome 21 segment HS210052	NT Homo sapiens chromosome 21 segment HS210010	EST_HUMAN   601236455F1 NIH_MGC_44 Homo septems cDNA clone IMAGE:3608663 67	2w82c06.r1 Socres testis_NHT Homo sepiens cDNA done IMAGE:782696 6' similar to contains PTR5.t2 EST_HUMAN PTR5 repetitive element;			ISSPROT		NT Homo septiens capping protein (actin flament) muscle Z-tine, elpha 2 (CAPZA2), mRNA
DIRING	Top Hit Acession No.	3.0E-23 AL163227.2	3.0E-23 AL 163227.2	3.0E-23 AA130165.1	3.0E-23 Z70664.1	3.0E-23 Z70684.1	3.0E-23 AW897927.1	2.0E-23 AJ289880.1	20E-23 M55270.1	P22106	P22105	2.0E-23 AI201458.1	2.0E-23 BE165980.1	2.0E-23 H59831.1	H59931.1	2.0E-23 D14547.1	O OF 39 A PRODUING 4	2.0E-23 At 168303.2	2.0E-23 M32658.1	2.0E-23 AF009660.1	1.0E-23 AL163252.2	1.0E-23 AL163210.2	1.0E-23 BE378471.1	1.0E-23 AA448097.1	9.0E-24 AA663213.1	P23269	P23269		11422027 NT
	Most Similar (Top) Hit BLAST E Value	3.0E-23	3.0E-23	3.0E-23	3.0E-23	3.0E-23	3.0E-23	2.0E-23	2.0E-23	20E-23 P22105	2.0E-23 P22105	2.0E-23	2.0E-23	20E-23	2.0E-23	2.0E-23	100	205-23	20E-23	2.0€-23	1.0E-23	1.0E-23	1.0E-23	1.0E-23	9.0E-24	8.0E-24 P23269	8.0E-24 P23269	8.0E-24	8.0E-24
	Expression Signel	1.07	1.07	4.18	2.74	2.74	1.27	3.75	3.02	2.08	2.08	1.5	2.97	2.59	2.59	8.49	00 7	1 12	3.91	2.55	1.44	4.76	3.11	5.73	3.05	1.15	1.15	1.34	0.77
	ORF SEQ ID NO:			34647		36059		<b>2992</b>								30962		35589			30472			35080		30586			34492
	Exan SEQ ID NO:	19640	19640	21141		22608	23602	13732	15817	15799	15789	16433	16771		17040	18072	34176			25419	17581	17816	19934	21967				19651	
	Probe SEQ ID NO:	0899	0839	8171	9604	9604	10680	299	1145	2807	2807	3384	3729	4001	4001	5062	3000	3 8	12262	12787	4558	4789	6882	8698	8	4678	4678	6591	8155

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Table 4
Single Exon Probes Expressed in Bone Marrow

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ORF SEQ Expression (Top) Hit Top Hit Acession Database BLASTE No. Source Value	0.98 · 2.0E-24 H89214.1 EST HUMAN	36826 0.98 2.0E-24 AI521759.1 EST_HUMAN	36627 0.98 2.0E-24 AIS21759.1 EST_HUMAN	10.03 2.0E-24 M28877.1 NT	27717 2.63 1.0E-24 7706340 NT	1.62 1.0E-24 AW820194.1	29009 0.78 1.0E-24 D86423.1 NT	2 1.0E-24 AF143313.1 INT	32865 0.68 1.0E-24 7106336 NT	34123 3.96 1.0E-24 AL163303.2 NT	34334 0.68 1.0E-24 BE144526.1 EST_HUMAN	34656 1.84 1.0E-24 AW901164.1 EST_HUMAN	32961 0.52 9.0E-25 11420402 NT	38480	NAME OF PARTIES AND ADDRESS OF THE PARTIES AND A	30827 2.85 7.0E-25/AA483944.1 EST_DUMPLY	34949 6.63 7.0E-25 AA468646.1 EST_HUMAN	324 7.0E-25 AA583540.1 EST_HUMAN	4.41 6.0E-25 W87823.1 EST_HUMAN	34326 10.26 8.0E-25 7305360 NT	Z7867 1.67 5.0E-25 AW850Z71:1 EST HUMAN	n ez	38150 3.16 5.0E-25 AW979107.1 EST_HUMAN	27451 2.3 4.0E-25 T98107.1 EST_HUMAN	2.68 4.0E-25 AW887671.1 EST_HUMAN	29876 0.93 4.0E-25 AF000368.1	3.13 4.0E-25 BE170957.1 EST_HUMAN	29303 2.77 3.0E-25 8923324 NT	28304 2.77 3.0E-25 8923321NI	32157 0.64 3.0E-25 U53212.1 [NI
					_																						_			
Escan ID SEQ ID : NO:	33008	1			L	ļ_	L	_	6541 19603	_		L	L		<u>.</u>	5031 18045	8561 21529	<del>ل</del> ــــــــــــــــــــــــــــــــــــ		7892 20931	L		10192 44848 24582	1	$\mathbb{L}$		_	3331 16382		5877 18968
Page SEQ ID	3	10243	10213	12	٦	*	   ਲ	4	<b>&amp;</b>	۲	 ⊠	18	100		1	ďΩ	a a	`  <del>`</del>	4			<u></u> `	" ?			<u> </u> "		Ľ	Ľ	

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Table 4
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Top Hit Descriptor	np27b02.s1 NCI_CGAP_P722 Homo septens cDNA clone IMAGE:1117515 S' straiter to gb1M61868 ZINC FINGER PROTEIN 85 (HUMAN);	Hamo septems chramosome 21 segment HS210010	Homo sepiens transducin (bets)-like 1 (TBL1) mRNA	601611530F1 NIH_MGC_71 Homo septens cDNA clone IMAGE:3913087 5	40S RIBOSOMAL PROTEIN S16	40S RIBOSOMAL PROTEIN S16	40S RIBOSOMAL PROTEIN S16	AL448573 Homo sapiens Testis (Starrides GS) Homo sapiens GUNA	OKFZp434H0313_r1 434 (synonym: htes3) Homo sepiens CUNA Cone UNr zp434rtw13 o	Human endogenous retrovirus, complete genome	ATP SYNTHASE LIPID-BINDING PROTEIN P2 PRECURSOR (A PASE PROTEIN 9) (SUBUNIT C)	PM1-HT0454-080100-002-h09 HT0454 Hamo sepiens cDNA	zq45b06.s1 Stratagene hNT neuron (#837233) Homo sapiens cDNA clone IMAGE:632827 3' similar to	contains Alu repetitive element;	nn54h11.s1 NCI_CGAP_Kdd6 Homo septens cDNA clone IMACE::1087749 3	ZB8g04.s1 Soares fetal heart NbHH19W Homo sapiens cDNA clone IMAGE:384822 3' similar to contains	PTR6.t3 PTR5 repetitive element;	R.rathus RY2G5 mRNA for a potential ligand-binding protein	R.rattus RY2G5 mRNA for a potential ligand-binding protein	Homo septens MAGE-B2 (MAGE-B2), MAGE-B3 (MAGE-B3), MAGE-B4 (MAGE-B4), and MAGE-B1	(MAGE-B1) genes, complete cds	Human DNA, SINE repetitive element	Haman DNA, SINE repetitive element	Human lambda-immunoglobulin constant region complex (germtine)	Homo sapiens chromosome 21 segment HS21C018	Human DNA, SINE repetitive element	Homo sapiens X-thiked enhidratic ectodermal dysplasia protein gene (EDA), excn 2 and franking repeat	regions	H.sapiens DNA for endogencus retrovinal like element	hd02e12.x1 Sogree_NR_T_GBC_S1 Hamp supjens cDNA clane IMAGE::2908396 3	Hamo sapiens chranosome 21 segment HS21 C002	2n30d08.r1 Strategene neuroepithelium NT2RAMI 837234 Homo saptens CLWA clone IMACE.540945 5 similar to gb:M14338 VITAMIN K-DEPENDENT PROTEIN S PRECURSOR (HUMAN);
Top Hit Database Source	EST_HUMAN	NT	NT	EST HUMAN	SWISSPROT	SWISSPROT	SWISSPROT	EST_HUMAN	EST_HUMAN	NT	SWISSPROT	EST_HUMAN		EST_HUMAN	EST_HUMAN		EST HUMAN	LN	M		L	FA.	N	LN	卜	NT		N	H	EST_HUMAN	NT	EST HUMAN
Top Hit Accession No.	AA603590.1	3.0E-25 AL163210.2	5032158 NT	2.0E-25 BE888016.1	17008	17008	2.0E-25 P17008	L449573.1	1.0E-25 AL040229.1	9635487 NT	106055	1.0E-26 BE162737.1		1.0E-25 AA189080.1	1.0E-26 AA582690.1		1.0E-25 AA709079.1	(60660.1	(60680.1		<b>J</b> 93163.1	J14547.1	J14547.1	(51755.1	9.0E-28 AL163218.2	8.0E-26 D14547.1		7.0E-26 AF003528.1	X89211.1	AW340153.1	7.0E-26 AL163202.2	7.0E-26 AA115895.1
Most Similar (Top) Hit BLAST E Vatue	3.0E-25/	3.0E-25	2.0E-25	2.0E-25	2.0E-25 P17008	2.0E-25 P17008	2.0E-25	2.0E-25	1.0E-25	1.0E-25	1.0E-25 Q06055	1.0E-26		1.0E-25	1.0E-26/		1.0E-25	1.0E-25 X60660.1	1.0E-25 X60660.1		1.0E-25 U93163.1	1.0E-25 D14547.1	1.0E-25 D14547.1	1.0E-25 X51755.1	9.0E-28	8.0E-26			7.0E-26 X89211.1	7.0E-26		
Expression	0.68	4.08	28	7.52	3.35	1.96	1.98	203	1.4	1.34	49.1	233		0.83	3.22		4.36				2.91	1.47	1.47	1.83		1.58		2.88	1.21			8.08
ORF SEQ ID NO:	33107				28672	L		36628	26378		28466				33516		34623		36318		37784				28519			27686			L	
SEQ ID	19824	21648		<u>L</u>			L	1_		14289	16448		1	19775	ı		21215	L			24286	L	1_		L.	L	1_	14613			1_	I I
Preparation SEQ ID	62,680	888	1350	2317	2842	4218	4218	10123	\$	1283	2441	4895		6719	8985	3	8246	80	8008		11316	12278	12278	13053	2491	5778		1580	4005	4188	5721	11978

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Top Hit Descriptor	Homo sapiens chromosome 9 duplication of the T cell receptor beta locus and trypsinogen gene families	2452404.71 Strakegene neuroepitheflum (#837231) Homo septens cDNA clone IMACE: 049271 3	Homo sepiens chromosome 21 segment HS210010	es38h08.x1 Berstead aorta HPLRB6 Homo sapiens cDNA cione IMAGE:2318519 3' striutar to WP:F49C12.11 CE03371 ;	as38h08.x1 Berstead aorta HPLRB6 Homo sepiens cDNA clone IMAGE:2319619 3' straitar to	WP:F49C1Z11 CEUSS/1 ;	EST33446 Embryo, 12 Week in nome squens durk of and	Homo sapiens upstream binding transcription radius, niver pulpinates (100 if ), interest	601197345F1 NIH MGC_7 Homo sapients CUNA dame IMAGE: 35334210 5	Human DNA, SINE repatitive element	DKFZp434l088_r1 434 (synonym: htss3) Homo sapiens CUNA cione UNIT-pasalloso 3	zn30d08.r1 Stratagene neurocytitheflum NTZYAMI 837Z24 Homo septens cUNA done lwArdE.040643 o similar to gb:M14338 VITAMIN K-DEPENDENT PROTEIN S PRECURSOR (HUMAN);	2030f10,r1 Strategene coton (#937204) Homo sapiens cDNA clone IMAGE:588427 5' similar to 1 K:G0853/4	G895374 THYROID RECEPTOR INTERACTOR;	2030f10.71 Stratagene coton (#837204) Homo sapiens cDNA clone IMAGE:588427 5' Smillat to IN:3005374 Consent trivionin deliception in Tera CTOR :	COSSOLITATION OF LANGE CONTROL OF THE STATE OF THE INTERPRETABLE OF THE STATE OF TH	UTSCHOOLT NIT MICE OF TAINS EXPENSE CONTRIBUTIONS OF THE CONTRIBUTIONS O	QVZ+F I UUTZ-V4V4VU-124-6U3 F I UU IZ MUMB SAPIGNS OON OO	QVZ+1 UU1Z-J444QU-1Z4-UU3 F UU1Z FIUI B SEUGEIS UU VAN INA GE-108967 3' Similar in contains OFR.H	ms/docs i No_con_con_con_con_con_con_con_con_con_co	Homo sepiens phorbolin I protein (PBI) mRNA, complete cds	Homo sapiens chromosome 21 segment HS210082	DKFZp666L171_s1 566 (synonym: hffd2) Homo septems cDNA clone DKF-2p506L171 3	M.muscutus mRNA for astrocytic phosphanatein, PEA-15	Homo expiens DNA for amyloid precursor protein, complete cds	to 89a01.x1 NOL CGAP Gas4 Homo septems cDNA clone IMAGE:21854163's similar to contains Atu	repetitive element contains element METCO METCO reposure element,	Homo sapiens Mitic class 1 region	Human endogenous retroviral element 5 / 1	אסודים איני היא ואס איני היא ויאס איני היא ויאס איני היא ועל או איני איני איני איני איני איני איני א
Top Hit Database Source	TN T	T_HUMAN	TA.	EST HUMAN N		╗	HUMAN		T HUMAN		EST HUMAN [	EST_HUMAN 8		EST_HUMAN (		T	Т	Т	EST_HUMAN	EST_HUMAN		F	EST HUMAN	Г	Ę		HUMAN			<u>k</u>
Top Hit Acession No.	6.0E-26 AF028308.1	6.0E-28 AA206131.1	8.0E-26 AL163210.2	5.0E-26/AJ708235.1		5.0E-26 AI708235.1	4.0E-26 AA329548.1	TR57670 NT	4.0E-26 BE266187.1	3.0E-26 D14547.1	3.0E-26 AL045855.2	3.0E-26 AA115895.1		3.0E-26 AA152464.1		3.0E-26 AA152464.1	3.0E-26 BF245458.1	3.0E-26 AW875651.1	3.0E-28 AW875651.1	3.0E-28 AA583173.1	3.0E-26 AF165620.1	20E-26 AL1632822	2.0E-26 AL038099.2	20E-26 X86694.1	2 0E-26 D87875.1		2.0E-26 AI801412.1	2.0E-26 AF055068.1	2.0E-26 M32788.1	AB037859.1
Most Similar (Top) Hit BLAST E Vetue	6.0E-28	8.0E-28	8.0E-26	5.0E-26		6.0E-26	4.0E-26	4.0E-26	4.0E-28	3.0E-26	3.0E-26	3.0E-26		3.0E-26		3.0€-28				3.0E-28	3.0E-26					_				
Expression Signal	228	1.03	1,91	186		1.86	0.98	3.77	293	215	1.27	3.50		1.12		1.12	6.22	203	203	4	1.37	10.08	3.56	4.82	2.38		2.55	1.78	•	1.7
ORF SEQ ID NO:	28272	28329	38462	87.77		27.179			37514	27787	28051			29738			33334		38362	38404		L		20025			38040		38565	
SEQ ID NO:	15248	16407	24867	14222		14222	14579	١	23987	L	L.	i		16832		16832	20030	24776	24775	24800		1_		L	L		24483	24633		25168
Probe SEQ ID NO:	7824	8357	11980	187		1181	1548	2787	11022	1	2018	2047		379		3791	2096	11894	11894	44028	12404	283	4004	2245	44674	3	11553	11748	12097	12388

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Top Hit Descriptor	QV4HT0538-020300-123-e02 HT0538 Homo sepiens cDNA	DKFZp4S4H1810_r1 4S4 (synanym: htess) Hamo septens cDNA clane DKFZp4S4H1910 5	Homo sapiens ghoeraldehyda-3-phosphata dehydrogenase (GADPH) mRNA, complete cds	MR3-HT0487-150200-113-g01 HT0487 Hamo sepiens cDNA	DKFZp588C2148_r1 568 (synonym: hflat2) Hamo sapiens cDNA clone DKFZp588C2148 5	CHR220032 Chromosome 22 evan Hamo septens cDNA clane C22_45 5	RCB-FN0138-110800-022-402 FN0138 Homo sepiens cDNA	Homo sepiens MAGE-B2 (MAGE-B2), MAGE-B3 (MAGE-B3), MAGE-B4 (MAGE-B4), and MAGE-B1	(MAGE-B1) genes, complete cds	Inseg3c07.x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:3253644.3' similar to contains UPR.TI	OFR repeature element;	wi49c04xt NCI_CGAP_Lu19 Homo saplens cDNA clone IMAGE:2406150 3' strillar to contains 1 HK.DZ   THID conditions cloned to contains 1 HK.DZ	i in increasing actions in the Action in the	Homo sepiens dromosome 21 segment noznowa	au87h08.x1 Schneider fetal brain 00004 Homo sapiens CDNA clone IMAGE:2783285 S simizar to gennuosos TUBLILIN ALPHA-1 CHAIN (HUMAN);	austron of schweider felle havin 00004 Home septems CDNA done IMAGE:2783296 3' similar to gb:K00558	TUBULIN ALPHA-1 CHAIN (HUMAN);	PMz-SN0018-220300-002-607 SN0018 Homo sepiens cDNA	ADP,ATP CARRIER PROTEIN, LIVER ISOFORM T2 (ADP/ATP TRANSLOCASE 3) (ADENINE NICE FOTIDE TRANSLOCATOR 3) (ANT 3)	Homo sepiens WRN (WRN) gene, complete cds	AV732214 HTF Hamo sapiens cDNA clane HTFBC806 5	MR4-BT0398-250800-204-d06 BT0398 Homo sapiens cDNA	J1761F Human fetal heart, Lambda ZAP Express Homo sapiens cDNA clone J1751 5' shullar to	REPETITIVE ELEMENT L1	CM1-CT0315-091289-063-d07 CT0315 Homo septems cUNA	CM1-CT0315-061299-063-407 CT0315 Homo septems cDNA	Human endogenous retroviral element HC2	hi51h12.x1 Scree_NPL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2976879 3' similar to TR:076040   G786140 OREVER INCTION LINKNOWN .:	Literate and And KIAAD731 ment mention cris	Hamsendon Vareardon theomal policy serment 10	India squais All pseudoaucsulai Islami, seginami iz	AV/23300 HID mano seprens dunky duno mi by neve v
Top Hit Detabase Source	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN		Ę		EST_HUMAN	NAME OF THE PARTY.	LSI HOMAN	¥	EST HIMAN		EST_HUMAN	EST HUMAN	CWISCOROT	Ę	EST HUMAN	EST HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	Z.	NAM IST	ESI DOMON	ž!	ĮN.	EST_HOMAN
Top Hit Acession No.	1.0E-26 BE170371.1	1.0E-28 AL039363.2	1.0E-26 AF261085.1	1.0E-26 BE165980.1	1.0E-26 AL038487.1	155093.1	9.0E-27 BF371227.1		J83163.1		9.0E-27 BF445558.1	7 007 7001	8.0E-27 AI831462.1	8.0E-27 AL163227.2	8 OE 27 AW183757 1		8.0E-27 AW162737.1	8 OF-27 AW864778 1	040038	8 0E-27 AF181897.1	8.0E-27 AV732214.1	8.0E-27 BE926560.1		8.0E-27 N84970.1	8.0E-27 AW857579.1	AW857579.1	7.0E-27 Z70664.1		LUE-ZI AWGZELIZI	7.0E-27 D86884.1	7.0E-27 AJ271735.1	7.0E-27 AV723365.1
Most Similar (Top) Hit BLAST E Value	1.0E-28	1.0E-28	1.0E-28	1.0E-28	1.0E-26/	1.0E-28	9.0E-27		9.0E-27 US3183.1		9.0E-27		8.0E-27	8.0E-27	9.05.77	0.00	8.0E-27	R OF-77	0 N D42228	8 OE-27	8.0E-27	8.0E-27		8.0E-27	8.0E-27	8.0E-27	7.0E-27					7.0E-27
Expression Signal	37.48	133	11.4	278	212	265	124		40.4		5.95	į	4.71	4.81	90 8	30.00	30.08	-	ţ	0.84	79.0	212		241	1.41	1.41	1.65		2.05	0.98	3.24	1.54
ORF SEQ ID NO:	28172												28020			R14/7	27420			08800					35975							
SEQ ID	13242	15081	15693	1_			20784		22815		25008	l	13131	13629	l	1444/	14447	L	11	18414		1	ı		L	1_		Ι.				25402
Probe SEQ ID NO:	137	2063	2697	7018	41239	12630	7837		9658		12142		11	653		1414	1414	5		3984		2 2		7248	958 4	9584	188		5128	8028	11101	12759

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Table 4
Single Exon Probes Expressed in Bone Marrow

igle Extri Fronce Expressed in Doire Indirow	Top Hit Descriptor	Human nucledar protein (B23) mRNA, complete cds	Homo sapiens chromosome 21 segment HS21C103	602121491F1 NIH_MGC_56 Hamo saptens cDNA clane IMAGE:4278527 5	602121491F1 NIH_MGC_58 Hamo sapiens cDNA clane IMAGE:4278527 5'	Mus musculus sperm tail associated protein (Stap), mRNA	Homo sepiens chromosome 21 segment HS210009	Rattus norvegicus putative four repeat ion channel mRNA, complete cds	QV0-OT0033-070300-152-b10 OT0033 Hamo septens cDNA	H.sapiens DNA for endogenous retroviral like element	R. rathus RYA3 mRNA for a potential ligand-binding protein	PM0-BT0527-090100-001-d11 BT0527 Hamp sapiens cDNA	7844C08 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7844C08	7e33f02.x1 NCI_CGAP_Lu24 Homo septems cDNA clone IMAGE:3284283 3'	601468631F1 NIH_MGC_68 Hamo septens aDNA clone IMAGE:3862086 5	Hamo sapiems alpha NAC mRNA, camplete cds	nk01b10.s1 NCI_CGAP_Pr11 Homo sepiens cDNA clone IMAGE:1000669 similar to gb:M17886 60S ACIDIC RIBOSOMAL PROTEIN P1 (HUMAN);	hi51h12xf Soeres_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2975579 3' similar to TR:O76040 Ozesad ORES B INCTION LINKNOWN		Homo sepiens jun dimerization protein gene, pertiel cds; cfos gene, complete cds; and unknown gene	Homo sepiens jun dimerization protein gene, partial cds; cfos gene, complete cds; and unknown gene	y36e01.r1 Soeres placenta Nb2HP Homo sapiens cDNA cione IMAGE:150840 5' similar to SP:HIMGC_MOUSE Q02591 HOMEOBOX PROTEIN ;	w/28g07.xf NCI_CGAP_UH Homo sapiens cDNA done IMAGE:2428288 3'	riN08h05.s1 NCI_CGAP_Thy1 Homo sepiens cDNA clone IMAGE:943737 similar to contains L1.t3 L1 repetitive element :	R. rattus RYA3 mRNA for a potential ligand-binding protein	EST00738 Fetal brain, Strategene (cat#836206) Homo sepiens cONA clone HFBCF07	EST00738 Fetal brain, Stratagene (cat#636208) Homo sapiens cDNA clone HFBCF07	AU121685 MAMMA1 Homo sapiens cDNA clone MAMMA1000748 5	nk01b10.s1 NCL_CGAP_Pr11 Homo sepiens cDNA clone IMAGE:1000699 similar to gb:M17888 60S ACIDIC RIBOSCMAL PROTEIN P1 (HUMAN);
AUII FIODES EAPI	Top Hit Detaberse Source	NT Hum	NT Hom	EST_HUMAN 602	EST_HUMAN 6021		NT Hom	NT Ratto	EST_HUMAN QVO	NT H.SE	NT R.	EST_HUMAN PMO	EST_HUMAN 784	EST_HUMAN 763	Г	NT Horr	EST HUMAN ACI		Τ	NT	Hom	EST_HUMAN SP!	П	EST HUMAN repe	Т	EST_HUMAN EST	EST_HUMAN EST	EST_HUMAN AU1	EST_HUMAN ACI
a Billing	Top Hit Acessian No.	6.0E-27 M26897.1	5.0E-27 AL163303.2		5.0E-27 BF666614.1	8910569 NT	4.0E-27 AL163209.2		9.1	4.0E-27 X89211.1		4.1	3.0E-27 AA077705.1	Ţ				,	Z.UE-2/ AWG291/2.1	2.0E-27 AF111167.2	2.0E-27 AF111167.2		2.0E-27 AI868347.1	_				2.0E-27 AU121685.1	
	Most Similar (Top) Hit BLAST E Vatue	8.0E-27	5.0E-27	5.0E-27	6.0E-27	4.0E-27	4.0E-27	4.0E-27	4.0E-27	4.0E-27	3.0E-27 X60658.1	3.0E-27	3.0E-27	3.0E-27	3.0E-27	2.0E-27	2.05-27	100	Z.OE-2/	2.0E-27	20E-27	2.05-27	20E-27	2.05-27	2.0E-27	2.0E-27	2.0E-27	2.0E-27	2.0E-27
	Expression Signal	10.71	0.79	3.37	3.37	1.72	122	1.26	0.72	1.98	4.38	1.08	5.66	0.67	4.46	9.25	24.32	3	T0.0T	1.61	1.61	0.72	1.44	2.61	0.78	1.32	1.32	297	19.93
	ORF SEQ ID NO:	37565		37010	37011	33256			36504	38405	28096	30209	31400	34424	36271	26068				28215	91282	33178			38552				
	Exan SEQ ID NO:	24042	20992	23519	23519	19960	21240	21285	23027	24810	15076	17329	18522	21026	22817	13163	14835	l	16783	16293	16233	19886	21396	22568	23076	1			l 1
	Probe SEQ ID NO:	11080	8055	10597	10697	8069	1/28	8316	10101	11929	. 2057	4300	5419	6808	0896	\$	191	3	3120	3238	3238	8833	8427	9824	10151	10395	10395	11302	11816

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Hamo sapiens chromosome 21 segment HS21,0046	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	Homo sapiens xykulokinasse (H. Influenzze) homolog (XYLB) mRNA	ht08g01.x1 NCI_CGAP_Kid13 Homo sepiens cDNA clone IMAGE:3146258 3' similar to contains MER29.b3 MER29 receitible element :	Homo sapiens Retina-derived POU-domain factor-1 (RPF-1), mRNA	HSPD20461 HM3 Hamo sepiens cDNA clone s4000085C10	HSPD20461 HM3 Hamo septens cDNA clane s4000086C10	Homo saplens mRNA for KIAA0454 protein, perfial ods	RC8-BT0627-140200-011-E08 BT0627 Homo sepiens cDNA	Human mRNA for KIAA0280 gene, partial cds	Bos taurus latrophilin 3 spilice variant bbah mRNA, complete ods	hw/17c11.x1 NCL_CGAP_Lu24 Hamo septens cDNA clone INAGE:3183188 3' 站向框 to TR:Q07314 Q07314 SECRETED NEUREXIN III-ALPHA-C PRECURSOR. [3] TR:Q07280 TR:Q07313;	AU128280 NT2RP1 Hamo septens cDNA clane NT2RP1000443 6	<u>ALPHA-1-ANTITRY</u> PSIN PRECURSOR (ALPHA-1 PROTEASE INHIBITOR) (ALPHA-1- ANTIPROTEINASE)	GM2-TN0140-070800-372-g01 TN0140 Homo septems cDNA	aus3108.x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2782911 3' struiter to TR:060302 060302 KIAA0555 PROTEIN.; contains element MER22 repetitive element;	AU142750 Y78AA1 Hamo saptens cDNA clone Y78AA1000824 5	Homo sapiens gamma-glutamy/transferase-like activity 1 (GGTLA1), mRNA	AV735348 CB Homo septens cONA clone CBFAKA12 5	Homo sapiens zinc finger protein ZNF191 (ZNF191) gene, complete cds	sa60e03.r1 NCI_CGAP_GCB1 Homo sapiens cDNA done INAGE:825340 5' similar to contains Atu repetitive element; contains element PTR5 repetitive element;	worlec07.x1 NCI_CGAP_Pen1 Homo sapiens cDNA clone IMAGE:2455692 3' similar to contains THR.b1	THR repetitive element;	W89/10.11 Sozees placents NbZHP Homo saprens curve done invace: 140445 5	xx33c09.x1 NCI_CGAP_Kd11 Homo sepiens cDNA clone IMAGE_X85504 3' similer to SW :GG50_HUMAN Q06379 GOLGIN-95. ;	Homo sapiens myosin phosphatase, target subunit 1 (MYPT1), mRNA	601300703F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3635305 5
Top Hit Detabase Source	NT	NT	¥	EST HEIMAN	·1.	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	¥	Z	EST HUMAN	EST HUMAN	SWISSPROT	EST HUMAN	EST HUMAN	EST HUMAN	NT	EST_HUMAN	NT	EST HUMAN		EST_HUMAN	EST_HUMAN	6.1 EST_HUMAN	TN	EST HUMAN
Top Hit Acession No.	1.0E-27 AL168246.2	1.0E-27 AB026898.1	827060	BE350437 4	6005855 NT		-30158.1	1.0E-27 AB007923.1	1.0E-27 BE079780.1	387449.1	1.0E-27 AF111093.1	9.0E-28 BE348399,1	9.0E-28 AU128280.1	50447	9 OF-28 RF377859 1	8.0E-28 AW157571.1		11417866 NT	7.0E-28 AV735348.1	6.0E-28 AF016052.1	6.0E-28 AA504562.1		5.0E-28 AI921003.1	5.0E-28 R79782.1	AW195066.1	4505316	4.0E-28 BE409100.1
Most Similar (Top) Hit BLAST E Vatue	1.0E-27	1.0E-27	1.0E-27	1 05 97	1.0E-27	1.0E-27 F30158.1	1.0E-27 F30158.1	1.0E-27	1.0E-27	1.0E-27 D87449.1	1.0E-27	9.05-28	9.0E-28	9.0E-28 P50447	9.0F-28	8 OE-28	7.0E-28	7.0E-28	7.0E-28	6.0E-28	6.0E-28		5.0E-28	5.0E-28	4.0E-28	4.0E-28	4.0E-28
Expression Signal	228	8	0.85	8	5.5	201	2.01	0.71	233	27	3.73	2.18	284	1.08	274	2	8.98	243	2.98	1.09	3.82		3.1	1.52	1.48	1.18	1.83
ORF SEQ ID NO:		27002	L		86028					36478			26320				27.182							23973			28082
SEQ ID	13510	14040	14738		10751	20076	20076	21923	22302	23007	24893	18245	13403	17894	SEARO	25847	L		25029	72237	26483		13410	L	<u> </u>	L	1 1
Page SEQ ID	854	80	1707	9	4100	7654	7054	8957	5337	10080	12016	443	344	4847	422	12553	1185	11520	12181	9271	1.280B	2	318	4035	2633	2989	3125

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Top Hit Descriptor	qf86f10.x1 Sogres_testis_NHT Homo sapiens cDNA clone IMAGE:1765019 3' similar to gb:M19503 LINE-1 REVERSE TRANSCRIPTASE HOMOLOG (HUMAN);	Homo sepiens chromosome 9 duplication of the T celi receptor beta locus and trypstrogen gene families	Felis catus GAPDH mRNA for glyceradenyde-3-prospirare danydrogenase, curriptete we	qf86f10.x1 Soares_testis_INHT Hamo septens CDNA ciane IMAGE:1755018 3 SITTURATE BELINI 5555. LINEST REVERSE TRANSCRIPTASE HOMOLOG (HUMAN);	RC3-CT0264-240400-210-f12 CT0234 from septems conversed to the control of the con	Promplete cds	MR3-HT0713-280500-013-f09 H10713 Homo sapiens curvi	Homo sapiens MHC class 1 region	wyefro7.x1 NCI_CGAP_Lym12 Homo saplens cDNA clone IMAGE.2410885 3' similar to contains Aur repetitive element.	RC1-BT0264-220300-019-c05 BT0254 Homo saptems cDNA	Homo expiens a dishitegrin and metalloproteinase domain 23 (ALAMAS) minuth	Homo sapiens ITGB4 gene for integrin beta 4 subunit, exarts 3-41	qc35b08x1 NC_CGAP_Lu5 Homo septens cDNA clore IMAGE:1910465 5 Suttest to contents Library repetitive element;	Homo sepiens chromosome 21 segment HS210009	In 78-08-X NCI_CX3AP_Kid11 Hamo septems GUNA Godte INMAGE_SISMORY Sellings to Contain LONG repetitive element;	601814186F1 NIH_MGC_54 Hamo sapiens cDNA clone IMAGE:4048751 5	Sus scrofa domestica submadikary apomuch miKNA, comprese cas	EST384394 MAGE resequences, MAGE Homo septems GUIVA	Homo sepiens memosidase, beta A, lysosomal (MANDA) gens, and unquantou (ugeung caping) (UBE203) genes, complete cds	y/79c09.r1 Soares Infant brain 1NIB Homo septens cDNA clone IMAGE:44300 57	Human gene for Ah-receptor, exon 7-9	QV1-BT0821-120900-360-b03 BT0821 Homo sepiens a DNA	Homo sepiens ubiquitous TPR motif, Y Isoform (UTY) mYNA, ditentative transcript 2, compress cus	AV732194 HTF Homo capiens cDNA clone HTFBIH05 5	Hamo sepiens similar to ribosomal protein L12 (H. sepiens) (LDCosover), minore	Homo sapiens hypothetical protein FLJ10968 (FLJ10968), mrdNA
Top Hit Database Source	EST HUMAN	NT	NT	EST_HUMAN	EST HUMAN	Z.	EST HUMAN	NT	EST_HUMAN	EST_HUMAN	ᅜ	NT	EST_HUMAN	NT	EST HUMAN	EST_HUMAN	Į.	EST HUMAN	LN	EST HUMAN	¥	EST_HUMAN	F	EST HUMAN	SINT	NT N
Top Hit Acession No.	4.0E-28 A1198941.1	4.0E-28 AF029308.1	4.0E-28 AB038241.1	4.0E-28 AJ198941.1	4.0E-28 AW854244.1	3.0E-28 AF155382.1	3.0E-28 BF354030.1	J53588.1	3.0E-28 AI831991.1	1-	4501912 NT	2.0E-28 Y11107.3	2.0E-28 A1348634.1	2.0E-28 AL163209.2	2 OE-28 BF224402.1	20E-28 BF212805.1	AF005273.1	2.0E-28 AW972305.1	2 NE. 28 AF 224859.1	20E-28 H06376.1	1.0E-28 D38044.1	1.0E-28 BF333236.1	1.0E-28 AF000995.1	1.0E-28 AV732194.1		88
Most Similar (Top) Hit BLAST E Value	4.0E-28	4.0E-28	4.0E-28	4.0E-28	4.0E-28	3.0E-28	3.0E-28	3.0E-28 U53588.1	3.0E-28	2.0E-28	2.0E-28	2.0E-28	20E-28													Ш
Expression Signal	2.45	3.51	38.65	3.87	1.86	261	<u>4</u>	214	282	11.64																3.37
ORF SEQ ID NO:	33872			33872			35572		<u>.</u>	28120		27164		20348			34780		<u> </u>	414	77.484			L		
SEQ ID	20514	24168	24200	L		14323	L	1.		1	L	L	J	L	<u> </u>				<u> L</u>	24617	_	1.	$\perp$	19000	$\perp$	
Probe SEQ ID NO:	7661	44943	14340	11367	12599	4288	87.79	44.202	4.3630	0707	1045	18	2485	3373		3 200	5 8	8043		11936		2000		7807	3 2	8352

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ngie Exon Frons Expressed in Done Marion	Top Hit Descriptor	EST178615 HCC cell line (matastasts to liver in mouse) Il Homo sapiens cDNA 6' end similar to similar to retroviral LTR	Homo sapiens gamma-glutæmyttransferass-like activity 1 (GGTLA1), mRNA	Homo septems gamma-glutamytransferaso-like activity 1 (GGTLA1), mRNA	2751-011,71 Soares retina N254HR Hamo sapiens cDNA clone IMAGE:380448 5	Homo sepiens chromosome 21 segment HS21C047	M78g08.x1 Scares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2978288 3"	HYPOTHETICAL GENE 50 PROTEIN	EST378521 MAGE resequences, MAGI Hamo septens cDNA	601114960F1 NIH_MGC_18 Homo sepiens cDNA clone IMAGE:3355367 5	Rattus nonegicus mRNA for 45 kDa secretory protein, partial	wp69b01.x1 NCI_CGAP_Bm25 Homo sepiens cDNA clone IMAGE:2486985 3' shrilar to TR:015475	O15475 UNNAMED HERV-H PROTEIN; contains LTR7.b1 LTR7 repetitive element;	RC3-UT0062-210800-021-c05 UT0062 Hamo sepiens cDNA	602184092F1 NIH_MGC_42 Hamo septens cDNA clone IMAGE:4300079 5	Homo septens chromosome 21 segment HS21C003	RC3-OT0091-170300-011-c12 OT0091 Homo sepiens cDNA	on 16c02.x1 Normal Human Trabecular Bone Cells Homo sapiens cDNA clone NHTBC_cn15c02 random	QV1-HT0471-280300-121-e05 HT0471 Homo seplens cDNA	wd35g06.x1 Soenes_NFL_T_GBC_S1 Homo septens cDNA done IMAGE:2330170 3° struiter to contains MER29.t2 MER29 repetitive element ;	wd35g08.x1 Soares_NR_T_GBC_S1 Homo sepiens dDNA clone IMAGE:2330170 S' similar to contains NER29 to MER29 menditithe element :	Human 90 kD heat shock protein gene, complete cds	Human beta-galacicside alpha 2,6-sialyfransferase (SIAT1) mRNA, exxn U	Homo saptens PTS gane for 6-pyruvoyltetrahydropterin synthesse, complete cds	QV1-BT0821-120900-360-bc3 BT0821 Homo sapiens cDNA	601152657F1 NIH_MGC_19 Hamo sepiens cDNA clone IMAGE:3508527 5	Human gene for Ah-receptor, exon 7-8	xx17f03.xf Sogres_NR_T_GBC_S1 Homo septiens cDNA clone IMAGE:2813405 3° stimiter to contains Ature petitive element, contains MER19.t2 MER19 repetitive element;	Homo sapiens chromosome 21 segment HS21C046
XOII FIODES E	Top Hit Database Source	THUMAN			EST_HUMAN		EST_HUMAN		EST_HUMAN	EST_HUMAN				EST_HUMAN	EST_HUMAN	Ę	EST_HUMAN	EST HUMAN	EST HUMAN			Т			T HUMAN	HUMAN		L_HUMAN	Į.
eignic	Top Hit Acession No.	1.0E-28 AA308744.1	4758431 NT	8431	1.0E-28 AA054182.1		9.0E-29 AW663987.1	200130	7.0E-29 AW968447.1	7.0E-29 BE254708.1	7.0E-29 AJ132352.1		6.0E-29 A1936748.1	6.0E-29 BE940436.1	6.0E-29 BF568097.1	5.0E-29 AL163203.2	5.0E-29 AW887541.1	4.0E-29 AI752367.1	4.0E-29 BE164930.1	4.0E-29 Al678101.1	4 OF 20 A1878404 4	1010101.1	IR7847 4	3.0E-29 AB042297.1	3 0E-29 BF333236.1	3.0E-29 BE314018.1	3.0E-29 D38044.1	3.0E-29 AW303317.1	3.0E-29 AL163246.2
	Most Similar (Top) Hit BLAST E Veitue	1.0E-28/	1.0E-28	1.0E-28	1.0E-28	1.0E-28	9.0E-29	8.0E-29 Q00130	7.0E-29/	7.0E-29	7.0E-29/		6.0E-29	6.0E-29	8.0E-29	5.0E-29	5.0E-29	4.0E-29	4.0E-29	4.0E-29	8 10 7	4.0E-28 AIGUSTOLO	2 OE. 20 1 187847 4	3.0E-29	3.0E-29	3.0E-29	3.0E-29	3.0E-29	3.0E-29
	Expression Signal	4.47	6.47	6.47	4.36	2.58	3.46	3.12	1,04	6.0	0.37		6.67	8.12	1,97	28.	8.5	1.33	5.91	0.82		207	100	191	200	0.77	2.19	19.1	22
	ORF SEQ ID NO:	36027	36648	36840			31302		27615				28578							34794	34,	08/80 88/80	20446	30350	30680				] ]
	Exan SEQ ID NO:	22577	23160	23160	25033	25716	25918	25367	14638	16610	25616		13664	26234	25284	18047	22049	1	1		<u> </u>	21300	1		L		1.	<u> </u>	1.1
	Probe SEQ ID NO:	88	10235	10235	12186	12831	13037	12713	1606	3564	13088		202	12489	12574	5033	88	3246	6125	9447		1000		4444	ATRA	98	9085	9862	6888

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Most Similar	ORF SEQ Expression (Top) Hit Top Hit Acession Database ID No. Signal BLASTE No. Source Source	1.02 7.0E-30 BE091133.1 EST_HUMAN PM4-BT0724-150400-004-d11 BT0724 Homo sapiens cDNA	1.4 6.0E-30 X51755.1 NT Human lambda-immunoglobulin constant region complex (germline)	27802 1.8 6.0E-30 D25303.1 INT Human mRNA for integrin alpha subunit, complete cds	2.61 6.0E-30 BE008028.1  EST_HUMAN	1 EST HUMAN	37337 0.74 6.0E-30 AF177227.1 NT Homo septens CTCL turnor emigen sez0-10 mRNA, partial cds	4.35 6.0E-30 X61755.1 NT Human lembda-Immunoglobulin constant region complex (germline)	5.0E-30 Al399892.1 EST_HUMAN	4.98 5.0E-30 U87831.1 NT Human econitate hydretase (ACO2) gene, econ 7		37981 2.03 5.0E-30 AL 163210.2 NT Homo septiens chromosome 21 segment HS21C010	2 NT	1.79 4.0E-30 AW937471.1 EST_HUMAN	28188 1.79 4.0E-30 AW837471.1 EST_HUMAN QV3-DT0043-080200-080-c08 DT0043 Homo sapiens cDNA	31254 0.66 4.0E-30 P11369 SWISSPROT ENDONUCLEASE]	2.5 4.0E-30 AW812488.1 EST_HUMAN	4.51 3.0E-30 At338551.1 EST HUMAN contains MER29.b2 MER29 repetitive element;	29721 1.03 3.0E-30 AF128883.1 INT Homo sepiens belomerase reverse transcriptase (TERT) gene, exons 1-6	EST_HUMAN	0.52 3.0E-30 AF078779.1 NT Rattus norvegicus putative four repeat ion charnel mRNA, complete cds	0.44 3.0E-30 AF078779.1 NT Rattus norvegicus putative four repeat ion channel mRNA, complete cds	ht09g01.x1 NCI_CGAP_Kid13 Homo septens cDNA clone IMAGE:3146256 3' similar to contains MER29.b3	0.62 3.0E-30/AB032969.1 NT	0.52 3.0E-30 AB032889.1 NT	5.69 3.0E-30 P34056 SWISSPROT	26666 1.57 2.0E-30 AW857315.1 EST_HUMAN CMD-CT0307-310100-158-h03 CT0307 Homo septems cDNA	3.03 2.0E-30 F08688.1 EST_HUMAN HSC23F051 normalized infant brain cDNA Homo septens cDNA clone c-23805	5.36 2.0E-30 BE175877.1 EST_HUMAN	11.19 2.0E-30 BE765232.1 EST_HUMAN	28909 6.11 2.0E-30 AF114156.1 INT Homo saplens Y-linked zinc finger protein (ZFY) gene, complete cds
<u> </u>				27802	29178	29178	37337		29979			37981	37982	28185	28186	31254	35652		29721	33783			1007E	37366	37367	38034	26666		27482	28738	28909
<b>S</b>	SEQ ID	14550	14604	14817				14604		25746		24432		15169	15169	18367		14186			21253	21798	HCT.00	L	L.		_	14130		_ }	15988
\$ 4	SEO NO.	1518	1571	1788	3204	4791	10905	13054	404	5310	11233	11489	11489	2163	সঞ	7035	8256	1164	8770	7470	8284	8831	4000	10082	10932	11641	929	1088	1475	2727	2830

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IIGIE EXUIT FIODES EXPRESSED III DOITE IMALIOW	Top Hit Database Source		EST_HUMAN   601119880F1 NIH_MGC_17 Homo sepiens cDNA clone INAGE:3029438 6	EST_HUMAN   601119850F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3029438 5		EST_HUMAN   2858c10.r1 Soares retine N204HR Homo sapiens cDNA done IMAGE:363186 5	EST_HUMAN   C18939 Human placenta cDNA (TFujiwara) Homo sapiens cDNA clane GEN-570001 5	7637612.X1 NCI_CGAP_LIIZ4 Homo septens cDNA clone IMAGE:3284662 3' shrifer to SW.DHSA_HUMAN EST_HUMAN P31040 SUCCINATE DEHYDROGENASE [UBRIQUINONE] PLAVOPROTEIN SUBUNIT PRECURSOR;	7637c12x1 NCI_CGAP_LL24 Homo sapiens cDNA done IMAGE:3284662 3' similar to SW DHSA_HUMAN P91040 SUCCINATE DEHYDROGENASE [UBIQUINONE] FLAVOPROTEIN SUBUNIT PRECURSOR;	Τ.		T	EST_HUMAN   C18939 Human placenta cDNA (Thujiwara) Homo sapiens cUNA cone GEN-570001 5	hd30b04.x1 Soures_NFL_T_GBC_S1 Hamo sepiens cDNA clane IMAGE_2810991 3' similar to contains EST_HUMAN MER1.8 MER1 repetitive element;	NT Hamo sapiens chromosome 21 segment HS21C003	EST_HUMAN ac77b08.s1 Strategene king (#837210) Homo sepiens aDNA clone IMAGE:868599 3'		EST_HUMAN   EST186888 HCC cell line (matastasis to liver in mouse) II Homo saptens cDNA 5 and		EST_HUMAN   CHR220632 Chromosome 22 evan Homo septens cDNA clone C22_728 5	y09008.r1 Scares Infant brain 1NIB Home septens cDNA clone IMAGE:30588 5' similar to gb:X12853 RAS- EST_HUMAN RELATED PROTEIN RAB-2 (HUMAN);	M39b08.r1 Sogres Infant brain 1NIB Homo septens cDNA clone IMAGE:30598 5' similar to gb:X12953 RAS- EST HUMAN RELATED PROTEIN RAB-2 (HUMAN);	EST_HUMAN   HSCOSF032 normalized Infant brain cDNA Homo sapiens cDNA done c-05f03 3'	NT Raffus norvegicus putative four repeat fon channel mRNA, complete cds	8923389 NT Homo septems hypothetical protein FLJ20420 (FLJ20420), mRNA			SWISSPROT OLFACTORY RECEPTOR 15 (OR3)
	Top Hit Acession No.	2.0E-30 AW206581.1	2.0E-30 BE298945.1	2.0E-30 BE298945.1	2.0E-30 BF306337.1	2.0E-30 AA019103.1	2.0E-30 C18939.1	2.0E-30 BE670617.1	2 OF 30 BF670617 1	2.0E-30 AW971568.1		2.0E-30 AW470791.1	1.0E-30 C18939.1	1.0E-30 AW468897.1	1.0E-30 AL163203.2	1.0E-30 AA664377.1	1.0E-30 BF347728.1	AA315045.1	1.0E-30 BF183230.1	1.0E-30 H55583.1	9.0E-S1 R18214.1	9.0E-31 R18214.1	9.0E-31 Z38233.1	9.0E-31 AF078779.1		8.0E-31 AL163208.2	8.0E-31 P23275	8.0E-31 P23275
	Most Similar (Top) Hit BLAST E Value	2.0E-30	2.0E-30	2.0E-30	2.0E-30	2.0E-30	2.0E-30	2.0E-30	2.05.30	2.0E-30		2.0E-30	1.0E-30	1.0E-30	1.0E-30	1.0E-30	1.0E-30	1.0E-30	1.0E-30	1.0E-30	9.05-31	9.05.34	9.0E-31	9.0E-31	8.0E-31	8.0E-31	8.0E-31	8.0E-31
	Expression Signal	2.1	1.78	1.76	0.71	0.69	7.02	3.99	8	3.88		8.65	19.55	7.04	123	3.82	239	1.12	2.08	11.83	0.92	68.0	1.79			5.96	1.12	1.12
	ORF SEQ ID NO:	29751	30726			35211	35270	35371	62858				28309	28529	28713	28260		29037	34328		35056			35364				
	Exam SEQ ID NO:	16843	17829	17829	L		2 <sup>†</sup> 849	21948	87016		1	- 1	13381	13610		15236		16124		25841	21635				L		17970	17970
	Probe SEQ ID NO:	3803	4812	4812	8822	888	8882	2868	90	10356		10442	286	923	717	2222	2460	3067	7895	12862	8667	79867	8071	82/23	1078	2423	4955	4955

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Top Hit Descriptor Source	EST_HUMAN	1 EST_HUMAN hw05er1.x1 NCI_CGAP_Lu24 Homo septens cDNA clone IMAGE:3182012.31	.1 EST_HUMAN Imv05a11.x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3182012.3'	TN 1		I HUMAN	NT Human tambda-tmmunoglobutin constant region complex (germline)	Homo sapiens calcium channel elpha1E subunit (CACNA1E) gene, exons 7-49, and partial cds, afternatively spliced	1 NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	1 EST_HUMAN	NT Hamo sepiens type I DNA topdisomerase gene, exan 8	NT Homo sepiens type I DNA topoisomerase gene, exon 8	4 EST_HUMAN	I	POLYPEPTIDE N.ACETYLGALACTOSAMINYLTRANSFERASE (PROTEIN-UDP ACETYLGALACTOSAMINYLTRANSFERASE) (UDP-GALNACPOLYPEPTIDE, N- SWISSPROT ACETYLGALACTOSAMINYLTRANSFERASE) (GALNAC-T1)	2 NT		.1 INT Rattus norvegicus GTP-binding protein REM2 (Rem2) mRNA, complete cds	005871 NT Homo sapiens SEC83, endoplasmic reticulum translocon component (S. cerevisiae) like (SEC83L), mRNA		420329 NT	M	LN	1 EST_HUMAN   Zu06004.rl Sogres_testis_NHT Homo sapiens cDNA clone IMAGE:731047 5
Top Hit Acessian No.	7.0E-31 AA372637.1 ES	.1	7.0E-31 BE326517.1 ES	7.0E-31 AF208541.1 NT	7.0E-31 AF208541.1 NT	7.0E-31 BE408611.1 ES		6.0E-31 AF223391.1 INT	-				6.0E-31 BE894488.1 ES	5.0E-31 M60694.1 NT	5.0E-31 M60694.1 NT	5.0E-31 BF056540.1 ES	4.0E-31 AJZ71735.1 NT			5730038 NT	4.0E-31 AF084484.1 N	6005871 NT	4826853 NT	11420329 NT	3.0E-31 AL163206.2 N		3.0E-31 AA421242.1 E
Most Similar (Top) Hit BLAST E Value	7.0E-31	7.0E-31	7.0E-31	7.0E-31	7.0E-31	7.0E-31	7.0E-31 X51755.1	6.0E-31	6.0E-31	6.0E-31	6.0E-31	6.0E-31	6.0E-31	5.0E-31	5.0E-31	5.0E-31	4.0E-31	4.0E-31 Q10473	4.0E-31	4.0E-31	4.0E-31	3.0E-31	3.0E-31	3.0E-31	3.0E-31	3.0E-31	3.0E-31
Expression Signal	1.99	238	2.38	0.99	0.99	0.82	5.66	3.06	7.57	0.7	1.86	2.27	208	283	283	1.48	3.45	1.01	209	1.98	0.43	0.98	6.73	1.28	2.35	4.66	0.52
ORF SEQ ID NO:		28691	28892				31771			35067	37573	31848		26222	28223			27622			37329	28625	58855				37394
Exam SEQ ID NO:	13774	15672	15672	21712		22585	25366	16734	21461	21642	24050	25127	25764	13295	13296	21755		14647	1.	16792	L	15603	20525			1	23881
Probe SEQ ID NO:	712	2676	2676	8744	8744	9621	12711	3694	8483	8674	11090	12325	12456	194	츌	8788	888	1615	1834	2800	10900	2803	7562	7736	8501	6836	10961

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Top Hit Descriptor Source			EST_HUMAN   QV2-LT0051-260300-111-f03 LT0051 Homo septens cDNA	EST_HUMAN   tp44g05.x1 Source_NFL_T_GBC_S1 Homo septiens cDNA clone IMAGE:2111672.3'	EST_HUMAN   DKFZp761G1613_r1 761 (synonym: hamy2) Homo saplens oDNA clone DKFZp761G1513 5	as 88111.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone IMAGE:838413 3' similar to contains EST_HUMAN THR.t2 THR repetitive element;	EST_HUMAN UHH-BIS-elfo-f-09-0-UI,s1 NCI_CGAP_Sub5 Hamo sapiens aDNA clane IMAGE:2733833 3'	ht08g01.x1 NCI_CGAP_Kd13 Homo sapiens cDNA clone IMAGE:3148258 3' stritier to conteins MER29.b3 EST_HUMAN MER29 repetitive element;		П	EST_HUMAN AV710948 Ou Homo saplens cDNA clone QuAALB07 5	EST_HUMAN AV710948 Cu Homo saplens cDNA clone QuAALB07 5	HUMAN 601304125F1 NIH_MGC_21 Homo septens cDNA clone IMAGE:3838310 5	HUMAN 601304125F1 NIH_MGC_21 Homo septems cDNA clone IMAGE:3838310 G	Homo sapiens hexoldnase II gene, promoter region	EST_HUMAN HA1110 Human fetal liver cDNA library Homo sapiens cDNA	Homo septens MAGE-B2 (MAGE-B2), MAGE-B3 (MAGE-B3), MAGE-B4 (MAGE-B4), and MAGE-B1	٦	$\neg$		SWISSPROT OLFACTORY RECEPTOR 2C1	EST_HUMAN   DKFZp547B235_r1 547 (synanym: htbr1) Homo sepiens cDNA clone DKFZp547B235 5	EST_HUMAN DKFZp547B235_r1 547 (synonym: hthr1) Homo septens cDNA clane DKFZp547B235 6		NT Homo saptens ministratetifite ceb1 repeat region	Bos taurus xanobiotiothmedium-chein fetty ecid; CoA ligase form XL-III mRNA, nuclear mRNA encoding mitochoothis paralelin complete cits.	NI International Content of the Content of National Content of Nat	Т	(MAGE-B1) genes, complete cds
Top Hit Acession D			1							31535			E408641.1 EST	E408611.1 EST	F148512.1 NT									-	1.0E-31 AF048727.1 NT	172		I.MC-31 BC-31 ZO 10.1	93163.1 NT
Most Similar (Tap) Hit BLAST E Vatue	3.0E-31 P	3.0E-31 BF035327.1	2.0E-31 AW838171.	2.0E-31 Al383388.1	2.0E-31 AL119245.1	2.0E-31 AA458824.1	2.0E-31 AW 444498.	2.0E-31 BE350127.1	2.0E-31 AA877784.1	2.0E-31	2.0E-31 AV710948.1	20E-31 A	2.0E-31 BE408611.1	2.0E-31 BE408611.1	2.0E-31 AF148512.1	2.0E-31 AI114527.1		1.0E-31 U93163.1	1.0E-31 095371	1.0E-31 095371	1.0E-31 095371	1.0E-31 AL134378.1	1.0E-S1 AL134376.1	1.0E-31 AW391679	1.0E-31 A	7000	1.05-31	1.00	1.0E-31 U93163.1
Expression Signal	3.17	6.84	1.33	98'0	253	5.67	0.72	286	2.71	4.13	1.13	1.13	2.57	2.57	1.91	3.94		11.03	3.34	3.34	3.34	1.35			231			0.70	0.08
ORF SEQ ID NO:	37486		27953		28379					35973		36678	36844	36845				28036	27878		27680	30671						8	37009
Exam SEQ ID NO:	23961	24430			16866	L		L	27306	22524	23191	23191	23357	23357	25195	25987		13137	14703	14703	14703		L	L	L			ROSIZ	23518
Probe SEQ ID NO:	10996	11487	1932	7224	2347	2447	5347	5788	943	2958	10286	10268	10435	10435	12427	12568		17	1671	1291	1671	4686	4668	5365	6256		900/	8132	10596

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Single Exon Probes Expressed in Bone Marrow

gie Exoil Frobes Expressed in Borne mairow		qf21h03.x1 NCL_CGAP_Bin25 Homo septens cDNA clone IMAGE:1750709 3' similar to TR:Q16595 MAN Q16595 FRATAXIN.;	Human germäne T-cell receptor beta chain TCRBV17S1A1T, TCRBV2S1, TCRBV10S1P, TCRBV28S1P, TCRBV16S-IP, TCRBV16S1P, TCRBV16S1, TCRBV14S1, TCRBV16S1, TCRBV14S1, TCRBV3S1, TCRBV3S1, TCRBV4S1A1T, TRY4, TRY5, TRY6, TRY7, TRY8, TCRBD1, TCRBJ1S1, TCRBJ1S2,		Bos taurus vacuclar H+-ATPasa subunit mRNA, complete cds	Homo sepiens hypothetical protein FLJ11294 (FLJ11294), mRNA			NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121 (PORE MEMBRANE PROTEIN OF 121 (KD) (P145)	neighbouring non-emplined region		MAN 601511530F1 NIH_MGC_71 Homo septens cDNA done IMAGE:3913087 5	Homo sapiens PRO1181 mRNA, complete cds	Hamo sepiens chromosane 21 segment HS21C046	Homo sepiens AT-binding trenscription factor 1 (ATBF1), mRNA	Homo sepiens AT-binding transcription factor 1 (ATBF1), mRNA		Homo sepiens FLL1 gene, partial								Homo sepiens myekoki/lymphoid or mbod-lineage leukemia (trithorax (Drocophila) homolog); translocated to, 4 (MILT4) mRNA
	Top Hit Databese Source	EST_HUMAN	Ā	EST_HUMAN	N	¥	EST_HUMAN	<b>EST_HUMAN</b>	SWISSPROT	Ę	EST_HUMAN	EST_HUMAN	Ę	M	¥	¥	EST_HUMAN	¥	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN		EST HUMAN	EST_HUMAN	EST_HUMAN	뉟
a argue	Top Hit Acession No.	1.0E-31 Al086434.1	1.0E-31 U68061.1	9.0E-32 AV723978.1	9.0E-32 [.31770.1	11430822 NT	8.0E-32 A1056770.1	8.0E-32 AW997214.1		7.0E-32 X17283.1	6.0E-32 AI478104.1	6.0E-32 BE888016.1	5.0E-32 AF116627.1	AL163248.2	11432574 NT	11432574 NT	5.1	3.0E-32 Y17283.1	3.0E-32 AV731500.1	3.0E-32 AV758634.1	3.0E-32 AV758634.1				3.0E-32 BE279088.1	5174574 NT
	Most Similar (Top) Hit BLAST E Value	1.0E-31	1.0E.31	9.0E-32	9.0E-32	9.0E-32	8.0E-32	8.0E-32	7.0E-32 P62591	7.0E-32	6.0E-32	6.0E-32	5.0E-32		4.0E-32	4.0E-32	4.0E-32	3.0E-32	3.0E-32	3.0E-32	3.0E-32		3.0E-32	3.0E-32	3.0E-32	3.05-32
	Expression Signal	4.88	1.5	2.13	0.63	0.85	3.05	0.89	1.16	7.66	1.2	1.28	17.73	1.85	3.03	3.03	1	3.32	9.78	19.67	19.67	<u> </u>	281	1.48	5.4	3.46
	ORF SEQ ID NO:	37737	38571	33134	33919		28126	31601	30803		28762		27032		34181	34182		28469	27458	38147	36148		37747			31283
	SEQ ID	24213	24974	19849	20559	20795	15107	18856	17913	25178	15736	20562	14081	13984	20805	20805	21670	13529	14481	22690	22690		24222	24491	25197	1
	Probe SEQ ID NO:	11281	12103	6795	7598	7848	2080	6999	4898	12405	2742	7697	1035	984	7887	7861	8702	<b>8</b>	±	9749	9749		11270	11550	12430	12786

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	Top Hit Descriptor	Homo sepiens myeloid/fymphoid or mbed-lineage leukemia (trifhorax (Drosophila) homolog); translocated to, 4 (MILT4) mRNA	601156285F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3139701 5'	601173631F1 NIH_MGC_17 Homo sepiens dDNA clone IMAGE:3529159 51	Human cell 12-lipoxygenase mRNA, complete cds	H.sepiens mRNA for myosin	H.sapiens mRNA for myosin	zn86c08.r1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone IMAGE:663150 5	zn68c08.r1 Stratagene HeLa cell s3 937216 Homo sapiens cDNA clone IMAGE:563150 5	AV736449 CB Homo sapiens cONA clone CBFBIA08 51	AV736449 CB Homo sapiens cDNA clone CBFBIA08 5	601573207F1 NIH_MGC_9 Homo sapiens cDNA dane IMAGE:3834433 5	Homo sepiens chromosome 11open reading frame 9 (C11ORF9), mRNA	nw21g02.s1 NCI_CGAP_GCB0 Hamo sepiens cDNA clane IMAGE:1241138 3' similar to contains THR.13	THR repetitive element;	hw07c05x1 NCI_CGAP_Lu24 Hamo sapiens cDNA clone IMAGE:3182216 3' similar to 1K:088539 U88539 WW DOMAIN BINDING PROTEIN 11.:	Home services calcium channel stohert Esubunit (CACNATE) dens. exons 7-49, and partial ods, attenuatively	peolids	602021164F1 NCI_CGAP_Bm57 Hamo sapiens cDNA clane IMAGE:4156870 5	Homo sepiens chromosome 21 segment HS210080	Homo sapiens short-chain alcohol dehydrogenese family member (HEP27) mRNA	Homo sapiens short-chain alcohol dehydrogenase family member (HEP27) mRNA	torizabe), x1 NCI_CGAP_Utz Home saptens cDNA clone IMAGE::2178809 S' similar to contains OFR.t1 OFR	repetitive element ;	AV730056 HTF Homo sepiens CDNA clone HTFAVE06 5	AV730015 HTF Hamo sepiens aDNA dane HTFANF08 5	EST383396 MAGE resequences, MAGL Homo sapiens cDNA	Human HLRP mRNA for leukocyte common antigen-related peptide (protein-tyrosine phosphate) (EC	3.1.3.48)	602021164F1 NCI_CGAP_Bm67 Homo sapiens cDNA clone IMAGE:4156670 57	EST383657 MAGE resequences, MAGL Homo sapiens cDNA	no16h01.s1 NCI_CGAP_Phe1 Homo sepiens cDNA clone IMAGE:1100881 3' similar to contains L1.t1 L1 repetitive element ;	
age months	Top Hit Database Source	NT	EST_HUMAN	EST_HUMAN	ΝΉ	NT	M	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	1		EST_HUMAN	EST HUMAN		M	EST_HUMAN	MT	TN	N <sub>T</sub>		EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		M	EST_HUMAN	EST_HUMAN	EST HUMAN	
	Top Hit Acession No.	5174574 NT	3.0E-32 BEZ79086.1	2.0E-32 BE296613.1	V35418.1	238133.1	Z38133.1	2.0E-32 AA114294.1	2.0E-32 AA114294.1	2.0E-32 AV738449.1	2.0E-32 AV736449.1	1.0E-32 BE743299.1	11439789 NT		1.0E-32 AA720574.1	9 NE-33 RE327112 1		9.0E-33 AF223391.1	9.0E-33 BF347229.1	9.0E-33 AL163280.2	5031736 NT	5031736 NT	ļ	7.0E-83 AI590115.1	7.0E-33 AV730058.1	7.0E-83 AV730015.1	7.0E-33 AW671307.1		7.0E-33 X54890.1	7.0E-33 BF347229.1	7.0E-33 AW971568.1	7.0E-33 AA601416.1	
	Most Similar (Top) Hit BLAST E. Veitue	3.0€-32	3.0E-32	2.0E-32	2.0E-32 M35418.1	2.0E-32	2.0E-32	2.0E-32	2.05-32	2.05-32	2.0E-32	1.0E-32	1.05-32		1.0E-32	0 DE-20	3	9.0E-33	9.0E-33	8.0E-33				7.0E-33					į	_	<u> </u>		١
	Expression Signal	3.46	4.33	78.0	0.87	6.86	6.86	219	2.19	4.17	4.17	1.07	6.73		6.78	7.8	3	3.43	1.82	4.08	2.4	2.4		2.43	7.82	1.62	16.32		1.07	2.89	2.65		
	ORF SEQ ID NO:	31284		30827					35007				33289		35334			,	35532		23098			28206		27719	L			37664			
	Esan SEQ ID NO:	1838	25517				1	21589	21589	25589	25589	16167	19991		21809	1	1.	19820	1_	_	1_	13182	L	15185	15654	<b>!</b> _	L	L	22284	24134	1		ł
	Probe SEQ ID NO:	12786	12937	4918	6381	6824	6624	8821	8821	13049	13040	3110	222		8943	8	3	6580	9140	11150	8	88		2189	2857	2841	3258		8626	11178	11578	42400	PA#71

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	Top Hit Descriptor	Hamo sepiens chromosome 21 segment HS210085	HSPDZ1201 HM3 Homo septiens cDNA clone s4000107H06	HSPD21201 HMS Hamo sepiens cDNA clane e4000107H06	Human glyceraldehyde-3-phosphate dehydrogenase (GAPDH) gene, complete cds	Homo sapiens similar to RAD23 (S. cerevisiae) homolog B (H. sepiens) (LOC63277), mRNA	Mus musculus SRY-box containing gene 6 (Sox6), mRNA	Mus musculus SRY-box containing gene 6 (Sox6), mRNA	QV1-FT0169-100700-271-e02 FT0169 Homo sapiens cDNA	Homo sepiens solute cerrier family 5 (choline transporter), member 7 (SLCSA7), mRNA	Homo sapiens spemidine synthase (SRM) mRNA	Homo sepiens spemidine synthase (SRM) mRNA	Homo sapiens chromosome 21 segment HS210085	Homo sapiens mRNA for KIAA0699 protein, partial cds	245b08.s1 Strategene hNT neuron (#837233) Homo sapiens cDNA clone IMAGE:632827 3' similiar to	contains Alu repetitive element;	xq33f11.x1 NCI_CGAP_LLZ8 Homo sapiens cDNA clone IMAGE:2762461 3'	xq33f11.x1 NCI_CGAP_Luz8 Homo sapiens cDNA clone IMAGE:2752461 3'	Homo sepiens chromosome 21 segment HS21C007	Homo saplens RAB1, member RAS oncogene family (RAB1) mRNA	ab51b11.r1 Stratagene lung carchoma 837218 Homo sapiens cDNA clone IMAGE:844317 5 strultar to contains Alu repetitive element;	Hamo sapiens chromosome 21 segment HS210010	UHHBIZ-eH-003-0-UI.s1 NCI_CGAP_Sub4 Hamo septems cDNA clane IMAGE:2727149 S'	271s08.r1 Strategene colon (#837204) Homo sepiens cDNA clone IMACE:510038 5 striitar to gb:X12671_ma1 HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1 (HUMAN);	Homo sapiens polymerase (DNA directed), alpha (POLA), mRNA	Homo sapiens polymerase (DNA directed), alpha (POLA), mPNA	ht08g01.x1 NCI_CGAP_Kid13 Homo sapiens cDNA clone IMAGE:3146256 3' similar to conteins MER29.b3 MER20 pareiffice element :	MELICO CONTROL CONTROLS.	MER29 repetitive etement;	AV647851 CLC Hamo sepiens aDNA dane CLCBCF09 3'	ak32b12.s1 Soares_testis_NHT Homo sapiens cDNA done IMAGE:1407647.3' similar to TR:Q13579 Q13579 MARINER TRANSPOSASE.;
	Top Hit Defabese Source	NT Ho	EST HUMAN HS	EST_HUMAN HS	H.				T_HUMAN				H IN		Г		EST_HUMAN X4	EST_HUMAN xq			T HUMAN		EST HUMAN U		1		744	T	EST_HUMAN M		
	Top Hit Acession No.	6.0E-33 AL163285.2			J04038.1	41429198 NT	F755609 NT	6755609 NT	5.0E-33 BF373515.1	11141884 NT	· 4507208 NT	4507208 NT	AL163285.2			1	1.1	5.0E-33 AW 284679.1	2	4758987 NT	4.0E-33 AA628621.1	100			8393994	F383894 NT	,	3.0E-33 BE330127.1	3.0E-33 BE350127.1	<u>-</u>	-
-	Most Similar (Top) Hit BLAST E Value	6.0E-33	6.0E-33 F30631.1	6.0E-33 F30631.1	6.0E-33		6.0E-33	6.0E-33	5.0E-33	5.0E-33	5.0E-33	6.0E-33	5.0E-33	5.0E-33		5.0E-33	5.0E-33	5.0E-33	4.0E-33	4.0E-33	4.05-33	4.0E-33	4.0E-33	4.0E-33	4.0E-33	4.0E-33	10.0	3.05	3.0E-33	3.0E-33	3.0E-33
	Expression Signal	0.69	69.	1.00	7.52	3.18	1.73	1.73	1.63	1.27	1.31	1.31	1.49	1.28		51.92	0.85	0.85	0.87	1.53	282	235	1.65	24	2.14	2.14		8.18	4.8	16.0	1.02
ľ	ORF SEQ ID NO:		32494	32495	35319			38770			27933	27834		30015		33166	37027	37028		28167			30418	31487	32857	32858					37228
	SEQ ID	16791	19260	L		L	L	23204	14821	14823	14938	14638	15283	17121		19877	23532			L				<u> </u>		L	1	14135	14135	1	i i
	Probe SEQ ID NO:	3740	6185	6185	8925	8050	10371	10374	1782	1898	1914	1914	2280	4087		8823	10810	10610	1130	2135	2428	25.52	4509	5477	6532	8532		<b>1</b>	1092	2456	10806

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gie Exoli Flobes Expressed in Done Imarion						Homo sapiens hypothetical protein SIRP-b2 (SIRP-b2), mRNA					Homo sepiens hypothetical protein SIRP-b2 (SIRP-b2), mitNA	Homo septems X-tinked enhidrotito ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat	regions	Homo sepiens F-box proben FBL4 (FBL4) miXNA, complete cds	Homo sapiens protein kinase C beta-II type (PRKCB1) mRNA, complete cas				П	٦	Homo expiens X-linked antidrotto ectodermia dysplassa protein gane (CLM), extri z and manuny reporter regions	П	Homo saplens Xq pseudosutosomal region; segment 1/2		7		-	7	Human G2 protein mRNA, partial cds	Human G2 protein mixiva, partel cos
	Top Hit Database Source	EST_HUMAN	EST_HUMAN	<b>EST HUMAN</b>	EST_HUMAN	Ψ	¥	EST HUMAN	EST_HUMAN	NT	ᅜ		Ę	¥	Į,	토	EST_HUMAN	EST HUMAN	Ę	EST_HUMAN	뉟	<b>EST_HUMAN</b>	۲	노	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	노	노
alguic	Top Hit Acession No.	2.0E-33 A1160189.1			2.0E-33 AA628883.1	11421332 NT	11421332 NT	2.0E-33 AI277492.1	2.0E-33 Al052256.1	11421332 NT	11421332 NT		1.0E-33 AF003528.1	1.0E-33 AF199420.1	1.0E-33 M13975.1	1.0E-33 U60822.1	1.0E-33 AV744220.1	1.0E-33 AW996818.1	1.0E-33 U60822.1	1.0E-33 Al927191.1	1.0E-33 AF003528.1	9.0E-34 BE155575.1	9.0E-34 AJZ71735.1	8922751 NT	8.0E-34 BE069882.1	7.0E-34 T70845.1	7.0E-34 T70845.1	7.0E-34 H12866.1	6.0E-34 U10991.1	6.0E-34 U10991.1
	Most Smilar (Top) Hit BLAST E Vatue	2.0E-33	2.0E-33	2.0E-33	20E-33	2.0E-33	2.0E-33	20E-33	205-33	2.0E-33	2.0E-33		1.0E-33	1.0E-33	1.0E-33	1.0E-33	1.0E-33	1.0E-33	1.0E-33	1.0E-33	1.05-33	9.0E-34	9.0E-34	8.0E-34	8.0E-34	7.0E-34	7.0E-\$4	7.0E-34	6.0E-34	6.0E-34
	Expression Signal	800	283	422	0.82	258	2.58	-	2.29	80	6.0		205	0.7	1.18	67.0	1.72	1.79	2.59	1.98	3.4	1.17	3.44	0.83	0.40	2.83	0.0	1.69		
	ORF SEQ ID NO:				30820	31015	31018	32888		37411				31834	33961		37853		38448					28216	34414	27449				26472
	Exan SEQ ID NO:	13438	1		<u> </u>	18138			L	1_	L		13120	18764	L		24324	<u> </u>				L	L.			14472	L	26227	13543	13543
	Probe SEQ ID NO:	á	405	4449	7002	5120	5129	6563	0758	10979	40979		0	2998	7837	10381	11377	11650	11973	12685	4.28K2	4844	13069	2181	8077	1439	10359	12479	471	471

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Ingle Excit Plobes Expressed in Both Wallow	Top Hit Descriptor	Mus musculus DAB/2J hair-specific (hecl-1) gene	Homo sapiens Npw38-binding protein NpwBP (LOC51729), mRNA	Human spilicing factor SRp55-1 (SRp-55) mRNA, complete cds	Rattus norvegicus putative four repeat lon channel mRNA, complete cos	Homo sapiens mRNA for KIAA1435 protein, pertial cds	Homo expiens chromosome 21 segment HS210009	1194c06.x1 NCI_CGAP_Pr28 Hamo septens cDNA clane IMAGE:22491943	RC5-OT0078-280300-022-D02 OT0078 Homo sepiens cDNA	601874950F1 NIH_MGC_54 Homo sepiens cDNA clone IMAGE:4102213 5	Human ig germline H-chain D-region genes, partial cds	601458531F1 NIH_MGC_66 Hamo septens cDNA clone IMAGE:3862086 5	wd35g08.x1 Scares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2330170 3' striitar to contaîns MER29.t2 MER29 repetitive element ;	wd35g06.x1 Soares_NFL_T_GBC_S1 Hamo sapiens cDNA clone IMAGE:2330170 3' shrillar to contains	MER29.t2 MER29 repetitive element;	PLEXIN 4 PRECURSOR (TRANSMEMBRANE PROTEIN SEX)	PLEXIN 4 PRECURSOR (TRANSMEMBRANE PROTEIN SEX)	ADP,ATP CARRIER PROTEIN, LIVER ISOFORM T2 (ADP/ATP TRANSLOCASE 3) (ADENINE NUCLEOTIDE TRANSLOCATOR 3) (ANT 3)	Homo sapiens X-linked anhidrotic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat	regions	Homo sapiens WNT3 precursor (WNT3) mRNA, complete cds	Hamo sepiens WNT3 precursar (WNT3) mRNA, complete ads	RC2-BT0506-240400-016-h08 BT0508 Homo sepiens cDNA	601484430F1 NIH_MGC_69 Homo sepiens cDNA clone IMAGE:3886899 5	601484430F1 NIH_MGC_69 Hamo sapiens cDNA clane IMAGE:3888999 5	OLFACTORY RECEPTOR-LIKE PROTEIN F5	DKFZp584A1563_r1 564 (synonym: htbr2) Homo sapiens cDNA clone DKFZp584A1563 5	6014705622F1 NIH_MGC_67 Hamo sepiens cDNA clone IMAGE:3873478 5	601470582F1 NIH_MGC_67 Hamo septens cDNA clane IMAGE:3873478 5	Homo saplens nucleobhdin 2 (NUCB2), mRNA	oc31e11.s1 NG_CGAP_GCB1 Home eapiens cDNA clone IMAGE:1351316 3' similar to gb:X88203 TYROSINE-PROTEIN KINASE RECEPTOR PLT4 PRECURSOR (HUMAN);	Homo sepiens chromosome 21 segment HS21C010
Soli Fiones	Top Hit Defebese Source	¥	F	NT	NT	Į.	Ŋ	<b>EST_HUMAN</b>	EST_HUMAN	EST HUMAN	IN	<b>EST_HUMAN</b>	EST HUMAN		EST_HUMAN	SWISSPROT	SWISSPROT	SWISSPROT		LN L	INT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	SWISSPROT	EST_HUMAN	EST_HUMAN	EST_HUMAN	N	EST_HUMAN	N.
Biging	Top Hit Acession No.	103686.1	T706500 NT	U30883.1	5.0E-34 AF078779.1	6.0E-34 AB037856.1	5.0E-34 AL163209.2	4.0E-34 AI804687.1	4.0E-34 AW888252.1	4.0E-34 BF209778.1	3.0E-34 M37277.1	3.0E-34 BF035327.1	2.0E-34 AI678101.1		2.0E-34 AI678101.1	P51805	P51805	P12238		1.0E-34 AF003528.1	1.0E-34 AY008397.1	1.0E-34 AY008397.1	1.0E-34 BE071414.1	1.0E-34 BE874052.1	1.0E-34 BE874052.1	P23266	1.0E-34 AL036635.1	1.0E-34 BE781790.1	1.0E-34 BE781790.1	11439599 NT	1.0E-34 AA807097.1	1.0E-34 AL163210.2
	Most Similar (Top) Hit BLAST E Value	6.0E-34 U03686.1	6.0E-34		5.0E-34	6.0E-34	5.0E-34	4.0E-34	4.0E-34	4.0E-34	3.0E-34	3.0E-34	2.05-34		2.0E-34	2.0E-34 P51805	2.0E-34 P51805	1.0E-34 P12236		1.0E-34	1.0E-34	1.0E-34	1.0E-34	1.0E-34	1.0E-34	1.0E-34 P23266	1.0E-34	1.0E-34	1.0E-34	1.0E-34	1.0E-34	1.0E-34
	Expression	1.86	2.36	4.68	1.17	203	1.49	1.71	0.64	1.07	0.74	3.18	8		1.83	1.57	1.57	8.53		1.35	0.81	0.81	6.11	1.98	1.98	0.46	14.47	1.71	1.71	322	1.4	4.01
	ORF SEQ ID NO:	31836		30983	35617	37506		28046	31106	35788	32671		35608		35699	37987	37988	27510		29641	30025	30026	-	32565	32566	38090	36450	38007	38008	38022		
	SEQ ID	25103	14922	18111	22182	23980	24521	15035	18231	22358	10428	24429	L	L.	22268	24439	24439			16730	17132	L	17531	18334			L	l_	L	L		Li
	Probe SEQ ID NO:	12287	1897	5101	8218	11015	11583	2014	8233	8883	6359	11486	8680		88	11496	11498	1505		3687	4088	4098	4506	528	6263	9881	10055	11518	11616	11530	12864	12874

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	Top Hit Descriptor	hh77b06.y1 NCI_CGAP_GU1 Hamo capiens cDNA clone IMAGE:2868787 5	Homo saplens prohibitin (PHB) mRNA	nas33a08.x1 NCI_CGAP_KM11 Homo sepiens cDNA clone IMAGE:3258134 3' similar to 7R:075912 075912 DIACYLGLYCEROL KINASE IOTA.;	nas33a08.x1 NCI_CGAP_KId11 Homo sapiens cDNA clone IMAGE:3258134 3' similar to TR:075912 075912 DIACYLGLYCEROL KINASE IOTA.;	601808588F1 NIH_MGC_18 Hamo sepiems aDNA done IMAGE:4040324 5	601236468F1 NIH_MGC_44 Homo sepiens cDNA clone IMAGE:3608513 5	602184624T1 NIH_MGC_42 Homo sepiens cDNA clone IMAGE:4300660 3	Homo sepiens phosphatidy(inositid glycan, class L (PIGL), mrtNA	ah53h03.s1 Soares testis_NHT Hamo sapiens cDNA clane 1308397 3	Homo sapiens zinc finger protein 208 (ZNF 208), mRNA	UHHBW0-ejd-4-09-0-ULs1 NCI_CGAP_Sub6 Hamo sepiens cUNA done IMAGE:2731433 3	Homo sapiens triple functional domain (PTPRF interacting) (TRIO), mRNA	H.sapiens mRNA for novel T-cell activation protein	H.sepiens mRNA for novel T-cell activation protein	Human mRNA for KIAA0368 gene, perdal cds	Homo sapiens mRNA for KIAA 1985 protein, partial cots	H,sapkans immunoglobulih kappa light chain variable region L14	Homo sepiens mRNA for KIAA0406 protein, pertial ods	Homo sepiens Ring1 and YY1 binding protein (RYBP), mRNA	Homo sepiens cI/2 kinase (CLK2), propin1, cots1, glucocerebrosidase (GBA), and metada genes, complete	cds, metaral pseudogario and glacoca can cause producegario, and discontinuo (nine of entre produced can grant	TCBAP1D3842 Pediatric pre-B cell acute lymphoblastic laukemia Bayka-HGSC project=TCBA Homo	sapiens cDNA done TCBAP3842	601431984F1 NIH_MGC_72 Hamo saplens cDNA clone IMAGE:3917229 5	qg38c05,x1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1837448 3' similar to SW?Y249_HUMAN Q92639 HYPOTHETICAL PROTEIN KIAA0249. ;	qg38c05.xt Soares_bestis_NHT Homo sapiens cDNA clone IMAGE:1837448 3' similar to SW:Y249_HUMAN Q92539 HYPOTHETICAL PROTEIN KIAA0249: ;	zh84f12.r1 Soares febal liver eplean 1NFLS S1 Homo saplens cDNA clone IMAGE:4280155	601108719F1 NIH_MGC_16 Hamo septems cDNA clane IMAGE:3350405 6"
1	Top Hit Database Source	T HUMAN		EST HUMAN				T_HUMAN		T HUMAN		EST HUMAN			IN	TN	± E		¥	,		<u> </u>		EST_HUMAN	EST_HUMAN			T	П
	Top Hit Acession No.	9.0E-35 AW663302.1	6031190 NT	8.0E-35 BF589937.1	8 0F-35 BF589837.1		8.0E-35 BE378480.1	8.0E-35 BF569282.1	11425417 NT	AA757115.1	5976	6.0E-35 AW297191.1	6005921 NT			AB002364.1	6.0E-35 AB037786.1		AB007868.2	6912639 NT		F OF 95 AF023288.1		5.0E-35 BE246065.1	5.0E-35 BE890982.1	5.0E-35 Al208765.1	5 0E-85 A1208785 1	5.0E-35 AA001786.1	4.0E-35 BE257907.1
	Most Similar (Top) Hit BLAST E	9.0E-35	8.0E-35	8.05.35	8.05-35	8.0E-35	8.0E-35	8.0E-35	7.0E-35		6.0E-35	6.0E-35/	6.0E-35	6.0E-36 X94232.1	8.0E-35 X94232.1	6.0E-35	6.0E-35/	5.0E-35	5.05-35/	6.0E-36		A 0F. 85		5.0E-35	5.0E-35				Ш
	Expression Signal	125	13.21	447	4.47	291	1.84	5.41	1.85	0.93	2.85	0.78	3.66	0.61	0.51	890	3.6	6H.6	6.0	1.47		200		86.0	4.74	22	2.0	2.39	
	ORF SEQ ID NO:	29617		277765		L	L	L	32968	27416	60082			35447		Ĺ.		L		L		90057		30656	L	88080		1	27440
	SEQ ID	16702	13328	14780	94,7	17949	24012	25176	19689	14444	15008	17117	21198	22024	22024	22952	23188	44752	1.	L		72707	1	17782	ľ	1	1	L	14463
	Probe SEQ ID NO:	3659	122	£7E4	2	4902	11049	12402	1539	1411	1985	4083	828	8508	9058	10025	10283	472	785	302		9077	<b>3</b>	4742	8526	OKE?		44542	1429

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Table 4
Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	yu98a07.11 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMACE::241236 5' similar to contains PTR5 repetitive element ;	Homo saplens X-linked anhidroffic ectodermal dysplasia protein gene (EDA), excn 2 and flanking repeat recions	601300705F1 NIH_MGC_21 Hamo sepiens cDNA done IMAGE:3635401 5	ht09g01.xf NCI_CGAP_Kid13 Homo sepiens cDNA clone IMAGE:3146256 3' similar to contains MER29.b3 MER29 repetitive element;	DKFZp434L148_r1 434 (syncnym: htess) Hamo septens cDNA clane DKFZp434L148 5	601125260F1 NIH_MGC_8 Hama septems aDNA dane IMAGE:3345063 5	Homo sapiens phospholipid scramblase 1 gene, complete cds	7n25a09.x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3565361 3' similar to TR:090.ZH7 090.ZH7 F-BOX PROTEIN FBL2.;	7n25a09x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3565361 3' similar to TR:090ZH7 090ZH7 F-BOX PROTEIN FBL2;	Homo sepiens caldium channel alpha (E subunit (CACNA 1E) gene, exons 7-49, and partial cds, alternatively soliced		wr03405x1 NCI_CGAP_GC8 Homo septens dDNA clone IMAGE:2480432 3' similar to SW:POL1_HUMAN P10288 RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE;	K6932F Humen fetal heart, Lembda ZAP Express Homo sepiens cDNA clone K6832 5' similar to REPETITIVE ELEMENT	A971F Heart Hamo sapiens cDNA clane A971	Homo sapiens mRNA for Gab2, complete cds	hi86a12.x1 Soares_NR_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2979166 S' similer to SW:TR12_HUMAN Q14668 THYROID RECEPTOR INTERACTING PROTEIN 12;	Homo sepiens Grb2-essociated binder 2 (KIAA0571), mRNA	Homo sepiens Grb2-essociated binder 2 (KIAA0571), mRNA	Homo sapiens mRNA for KIAA0895 protein, partial cds	TCBAPZE4328 Pediatric pre-B cell acute lymphoblastic laukemia Baykor-HGSC project=TCBA Homo sapiens cDNA clone TCBAP4328	TCBAP2E4328 Pediatric pre-B cell acute lymphoblastic laukemia Baylor-HGSC project=TCBA Homo sapiens	cDNA clone TCBAP4328	yq18a12.r1 Soares fetal liver splean 1NFLS Hamo sepiens cDNA clane IMAGE:274079 5'	QV0-BT0701-210400-199-b04 BT0701 Homo sapiens cDNA
אוווא ווווא	Top Hit Database Source	EST_HUMAN PT	Ĭ.	T_HUMAN	HUMAN MI	Г	П	П	Tr EST HUMAN O				EST_HUMAN P	KI EST HUMAN RI		Г	HI EST HUMAN SI				EST HUMAN OF	۲		П	EST_HUMAN Q
Sign	Top Hit Acessian No.	4.0E-35 H91193.1	4 NE.35 AF003528 1		_	_	3.0E-35 BE268182.1		3.0E-35 BF433100.1	3.0E-35 BF433100.1			3.0E-35 AW 003063.1	2.0E-35 N88965.1		3.1		6912459 NT	6912459 NT	2.0E-35 AB020702.1	2.0E-35 BE247575.1		5.1		2.0E-35 BF332417.1
	Most Similar (Top) Hit BLAST E Value	4.0E-35	4.05.35	4.0E-35	4.0E-35	4.0E-35	3.0E-35	3.0E-35	3.0E-35	3.0E-35	3.05.35	20.0	3.0E-35	2.0E-35	2.0E-35	2.0E-35	2.0E-35	2.0E-35	2.0E-35	2.0E-35	2.05-35		2.0E-35	2.0E-35	2.0E-35
	Expression Signal	7.51	8	0.93	1.81	8.37	21.76	3.36	27.9	27.8	4 74	<u> </u>	0.03	0.83	1.39	5.04	-	0.83	0.83	1.06	142		1.42	2.65	1.8
	ORF SEQ ID NO:	27859				35253	27588		31303	31394			36964	28146	ĺ		28706	29294	29295		29883		29884		31926
	Exam SEQ ID NO:	14862	l _	L	ł	l	14615	15349	18516	18516	22780	3	23457	L	ı	ŀ	15689	16374	16374	16615	16970		16970	17718	18758
	Probe SEQ ID NO:	1835	7877	5145	7416	888	1682	2338	6413	5413	0844		10535	108	1192	1222	2883	8828	3323	3570	3930		3930	4697	2995

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	Top Hit Descriptor	GM2-MT0125-280700-287-G02 MT0125 Hamo septens oDNA	CM2-MT0125-280700-297-G02 MT0125 Hamo septens CDNA	H.saplens PROS-27 mRNA	Homo sapiens Grb2-essociated binder 2 (KIAA0571), mRNA	Homo sapiens Grb2-essociated binder 2 (KIAA0571), mRNA	601406774F1 NIH MGC 70 Homo septems CDNA clone IMAGE:3898699 5	PRY 408774F1 NIH MGC 70 Hamp sabiens davA dame IMAGE:3898699 5	Home content charactering 21 securent HS2I (2010	Hally express of surrocemes - Cognitive Frances Home sentence CONA current (1882) 5 similar to	REPETITIVE ELEMENT	firmfe16 Regional genomic DNA specific cDNA library Homo sapiens cDNA clone CR12-1	firife18 Regional generatic DNA specific cDNA library Homo sapiens cDNA done CK12-1	II.2-ST0162-131099-006-412 ST0162 Homo septens cDNA	II 2-ST0162-131069-008-d12 ST0162 Homo septens cDNA	ANIES LIAMON COMPANIES TO SAME TO	ydddigol o'r Sogres 1988 INN Spiedh Tuffus Franco September Corry Guille Comment of Spiedhold Sp	Homo sapiens hypothetical protein (LOC51233), mRNA	ht08g01.x1 NCI_CGAP_KId13 Homo septiens cDNA clone IMAGE:3146236 3' stmiler to conteins MEKZ8.05	MER29 repetitive element;	htoggot, xt NCI_CGAP_Kd13 Homo sapiens cDNA clone IMACE:3146256 3' entries to conteins microsum	MERZ8 repetitive element;	AV650422 GLC Hamo sapiens duna dane GLCVC/Pro 3	AV650422 GLC Homo sepirars GUNA cidre GLCVETVO 3	Mus musculus activin receptor interacting protein 1 (Arrot-Pending), mirotA	Mus musculus activin receptor interacting protein 1 (Arrol-Penning), mirryA	Hamo septens chromatin essembly factor 1, subunit B (p60) (CHALTS), micha	MR1-ST0111-111189-011-d07 ST0111 Homo sepiens dDNA	MR1-ST0111-111199-011-d07 ST0111 Hamo seplens cDNA	Homo sepiens mRNA for KIAA1279 protein, pertial cds	Homo sepiens KIAA0645 gene product (KIAA0645), mRNA	AU158595 PLACE3 Homo sepiens cDNA done PLACE3000382 3'	AU158595 PLACE3 Homo capiens cDNA clone PLACE3000382 3"	neaged06.x1 NCI_CGAP_P/28 Homo septems cDNA done IMAGE:3254051 3' similar to TR:031341	$\neg$
	Top Hit Defrabese Source	EST HUMAN	EST HUMAN		Į	Ę	EST LIMAN	ECT OF BAAN	NAME OF THE PARTY	Z	EST HUMAN	EST HUMAN	EST HUMAN	FST HIMAN	EST LIMAN	NOW TO LEG	EST HUMAN	Ę		EST_HUMAN		EST_HUMAN	EST HUMAN	EST HUMAN	M	NT	NT	EST_HUMAN	<b>EST HUMAN</b>	Z	¥	EST HUMAN	EST HUMAN		EST HUMAN
,	Top Hit Acession No.	2.0E-35 BE832636.1			8912459		2.0C.00	ZUE-35 DEBOHBIO.1	1,100010	2.0E-36 AL163210.2	188065.1	1.0E-35 AA631949.1	1 0F-35 AAG31949.1	4 DE 25 AW1280473 1	1.0E-53 AM 309 110.1	1W 308473.1	87947.1	7705994 NT	(	1.0E-35 BE350127.1		1.0E-36 BE350127.1	1.0E-35 AV650422.1	1.0E-35 AV650422.1	7856905	7856905 NT	11526236 NT	1.0E-35 AW808685.1	1.0E-35 AW808865.1	1 DE 35 AB033105.1	11418002 NT	At 1458595.1	1 0F-35 AU158595.1		1.0E-35 BF589594.1
-	Most Similar (Top) Hit BLAST E Vaiue	2.0E-35B	2 OF 35 B	2 OF 35 X39417.1	205.35	2000	20C0	20200	Z.02-30	2.0E-35/	2.0F-35)	1.0E-35/	1 0F-35 /	1 05 25 /	100	1.05-30/	1.0E-35	1.0E.35		1.0E-35		1.05-36	1.0E-35	1.0E-35/	1.0E-35	1.0E-35	1.0€-35	1.0E-35		1	10E-35		L		
	Expression Signal	0.65	88	1 2 2	930	000	B	1.4/	1.47	288	- 2	2,5	200	20 20	328	96.20	68.0-	38		1.85		1.85	3.44	3.44		4.04									0.63
-	ORF SEQ ID NO:	33622					1		31852		28448			Ì		26757		28571		28790	<u> </u>	Z8791	29148			L	31653			L		1			37377
	Exan SEQ ID NO:	20282	L	24400			1	_		25462	76027	L	1.	1		13814	l	_	L	15770		15770	L		L		L		┸	┸	1_	L	0000	L	23862
	Probe SEQ ID NO:	7344	3	1310	2	877	12138	12340	12346	12854	4000	SIRV	}	<b>₽</b>	3	753	8	Ĺ		2778		27.78	3177	3177	4452	4452	2588	7480	7480	3	1 2	3 3		Š	10942

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-		_	_	_	_	_	_		_	_	_	_	_	_	-	_	_	_	_	_	_	_			_	_	_	_	_			_
	Top Hit Descriptor	Hamo septens AP16-tite 1 (AP16L1), mRNA	Hamo septens AP15-tike 1 (AP15L1), mRNA	Homo sepiens N-ethylmaletmide-censitive factor (NSF), mRNA	Homo sepiens Xq pseudoautosomal region; segment 1/2	Homo sapiens calcineum binding protein 1 (KIAA0330), mRNA	PMS-BN0176-100400-001-g04 BN0176 Hamo septems cDNA	RETROVIRUS-RELATED POL POLYPROTEIN [CONTAINS: REVERSE TRANSCRIPTASE; ENDONIJG FASE]	601288574F1 NIH MGC 19 Hamo septens cDNA clane IMAGE:3628386 5	2820020.5prime NIH_MGC_7 Homo sepiens cDNA clone INAGE:2820020 51	601282266F1 NIH_MGC_44 Homo saplens cDNA clorie IMAGE:3604168 5	Г	Г	yi19f05.r1 Soares placenta NbZHP Homo sapiens cDNA clone IMAGE:139713 6'	Homo sepiens a dishtegrin and metalloproteinase domain 22 (ADAM22), trancript variant 3, mRNA	Human platelet Clycoprotein Ilib (GPIIb) gene, exons 2-29	Homo sapiens DNA for amyloid precursor protein, complete cds	Homo sapiens DNA for emyloid precursor protein, complete ods	zu69c10.r1 Sceree_testis_NHT Home sepiens cDNA done IMAGE:743250 S		_	Homo sapiens neuredin III-alpha gene, partial ods	Homo sepiens celctum/celmodulin-stimulated cyclic nucleotide phosphodiesterase (PDE1A) gene, pertial cds	Homo sepiens calcium/camodulin-edimulated cyclic nucleotide phosphodiasterase (PDE1A) gene, partial cds	Mus muscadus junctophilin 1 (Jp1-pending), mRNA	601106343F1 NIH_MGC_16 Homo septens cDNA clone IMAGE:3342706 67	QV0-OT0030-240300-174-h04 OT0030 Home sapiens cDNA	Mus musculus p47-phox gene, complete cds	EST06648 Infant Brain, Bento Soares Homo sapiens cDNA clone HIBBJ28 5' end	Г	П	Homo sapiens ubiquitin specific protease 13 (isopeptidase T-3) (USP13) mRNA
	Top Hit Database Source	NT	Ŋ	Z	ᅜ	N	EST_HUMAN	CWISSPROT	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	<u>F</u>	EST_HUMAN	NT	N	Ā	M	<b>EST_HUMAN</b>	Ŋ	EST_HUMAN	¥	Z	Z	Ę	EST_HUMAN	EST HUMAN	Z	EST_HUMAN	EST HUMAN	4.1 EST_HUMAN	Ā
	Top Hit Acession No.	5729729 NT	5729729 NT	11079227 NT	UZ71735.1	417862	4.0E-36 BE010038.1	HOSER	4 0E-36 BE382574.1	W247772.1	3E389299.1	2	7		11497041 NT	J33320.1	387675.1	4.0E-36 D87675.1	A400370.1	420516		3.0E-36 AF099810.1	3.0E-36 AF110239.1	3.0E-36/AF110239.1	10181139 NT	2.0E-36 BE259267.1	4W880376.1	4F267747.1	20E-36 T08756.1	2.0E-36 T69629.1	20E-36 BF512794.1	4507848
	Most Similar (Top) Hit BLAST E Vatue	5.0E-36	5.0E-36	6.0E-36	5.0E-36 AJZ71735	5.0E-36	4.0E-36	4 OE.38 D10388	4 05-36	4.0E-38 AW24777	4.0E-36 BE389289	4.0E-36 BE386296	4.0E-36 AL163204	4.0E-36	4.0E-36	4.0E-36 M33320.1	4.0E-36 D87675.1	4.0E-36[	4.0E-36/	4.0E-36	4.0E-36/	3.05-36 /	3.0E-36	3.0E-36/	3.0E-36	2.0E-36	20E-36 AWB8037	2.0E-36	20E-36	20E-38	2.0€-36	2.0E-36
	Expression Signal	121	121	0.77	2.97	3.03	1.24	8	18	2	0.65	0.65	0.71	96.0	2.48	1.74	1.2	1.2	1.8	1.86	8.26	3.9	76.0	26'0	8.81	2.17	8.63	252	3.80	124	0.82	0.57
-	ORF SEQ ID NO:	30743	30744		20173	L		_	27858	Ĺ	28340		306908		32481	34246	35290	35291	37806			76694	27502	27503	L			31606		L		36184
	SEQ ID	17844	17844	21007	13243	25214	14266	44460	14684	15245	16415	18415	17804	18895	19248	20858	21867	21867	24282	25220	25768	13759	14530	14530	17554	16239	18011	18660	L	L	L	22728
	Probe SEQ ID NO:	4827	4827	88	12158	12455	4228	9077	1683	2231	3385	3386	4786	588 488	6173	7915	8904	8904	11332	12471	12515	769	1497	1497	4530	3184	498	2999	86048	87.28	9743	8907

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Table 4
Single Exon Probes Expressed in Bone Marrow

igie cauli rioues capressed in pone indirow	Top Hit Descriptor	Homo saplens ubiquitin specific protesse 13 (tsopoptidase T-3) (USP13) mRNA	601300938F1 NIH_MGC_21 Hamo septems aDNA dane IMAGE:3635480 5	RC1-HT0277-131199-021-h07 HT0217 Homo sepiens cDNA	RC1-HT02-17-131189-02-1-1-107 HT02-17 Homo septens aDNA	602138493F1 NIH_MGC_83 Hamo septens aDNA done IMAGE:4272888 5	Homo sapiens human endogenous retrovirus W proC8-19 protessa (pro) gene, partial cds	DKFZp434G022_r1 434 (synanym: https3) Hamo sapiens cDNA clane DKFZp434G022 6	Homo sapiens zinc finger protein 147 (estrogen-responsive finger protein) (ZNF147) mRNA	w637c12.x1 NCI_CGAP_GC8 Homo septens cDNA clone IMAGE:2307862 3' similar to contains Atu repetitive element,	1998910.11 Soares Infant brain 1NIB Homo saplens cDNA clone IMAGE:34529 5' similar to SP.CAHP HUMAN P35219 CARBONIC ANHYDRASE-RELATED PROTEIN;	1958g10.rf Sceres Infant brain 1NIB Homo septens cDNA clone IMAGE:34629 of similar to SP.CAHP HUMAN P35219 CARBONIC ANHYDRASE-RELATED PROTEIN:	DKFZp761A229_rl 761 (syncrym: hamy2) Homo sapiens cDNA clone DKFZp761A229 5	2051812.r1 Stratagene endothelial cell 937223 Homo sapiens cDNA clone IMAGE:590398 5	2051s12.r1 Strategene endothelial cell 837223 Hamo sapiens cDNA clone IMAGE:690398 6	Inc60e08.r1 NCI_CGAP_Pr1 Hamo septens cDNA clane IMAGE:745670	Inc60e08.r1 NCI_CGAP_Pr1 Homo sapiens cDNA clone IMAGE:745670	AU141688 THYRO1 Homo septiens aDNA clone THYRO1001033 5	AU141688 THYRO1 Hamo septens aDNA dane THYRO1001033 5	xe82b07.xf NCL_CGAP_Bm35 Homo sapiens cDNA clone IMAGE:2814357 3'	QV3-NN1023-010800-199-h01 NN1023 Homo septems cDNA	RC3-CT0279-040500-017-e10 CT0279 Homo sepiens cDNA	RC3-CT0279-040500-017-e10 CT0279 Homo sepiens cDNA	CM3-NN0061-140400-147-h12 NN0061 Homo septens cDNA	UHHF-BNO-die-0-03-0-ULT NIH MGC 50 Hamo septens aDNA dane INAGE:3078277 6"	Homo sapiens Ran GTP ase activating protein 1 (RANGAP1), mRNA	Homo sapiens chromosome 21 segment HS210013	Homo sapiens Sad1 unc-84 domain protein 2 (SUN2) mRNA, partial cds	ws80b07.x1 NCI_CGAP_Cc3 Homo saplens cDNA clone IMAGE:2504245 3'	ws80b07.x1 NCI_CGAP_Cc3 Homo expiens cDNA clone IMAGE:2504245 3'	Homo sapiens chimerin (chimaerin) 2 (CHN2) mRNA	CMO-UT0003-050800-503-d09 UT0003 Homo sepiens cDNA
AUII LIOUSS	Top Hit Database Source	١. ا	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	NT	EST_HUMAN	NT	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	<b>EST HUMAN</b>	EST_HUMAN		EST HUMAN	EST_HUMAN	뉟	ᅜ	NT	EST_HUMAN	<b>EST_HUMAN</b>	M	EST_HUMAN
elgnic	Top Hit Acession No.	4507848 NT	1.0E-36 BE408310.1	1.0E-36 BE148523.1	1.0E-38 BE148523.1	1.0E-36 BF673761.1	1.0E-36 AF166962.1	1.0E-36 AL04446.1	4827064 NT	1.0E-36 Al867714.1	4 DE-38 R2F012 4	1.0E-36 R25012.1	1.0E-38 AL120542.1	1.0E-36 AA148034.1	1.0E-36 AA148034.1	1.0E-36 AA420467.1	1.0E-38 AA420467.1	1.0E-36 AU141688.1	1.0E-36 AU141688.1	1.0E-36 AW103658.1	1.0E-36 BF364169.1	1.0E-36 AW855868.1	1.0E-36 AW855868.1	1.0E-36 AW897636.1	1.0E-36 AW504143.1	11418177	1.0E-36 AL163213.2	1.0E-36 AF202723.1	9.0E-37 AW009277.1	9.0E-37 AW009277.1	4757979 NT	8.0E-37 BE698077.1
	Most Similar (Top) Hit BLAST E Vatue	2.0E-38	1.0E-38	1.0E-36	1.0E-38	1.0E-36	1.0E-36	1.0E-36	1.0E-36	1.05-36	4 DF-38	10E-36	1.0E-38	1.0E-36	1.0E-36	1.0E-36	1.0E-38	1.0E-36	1.0E-36	1.0E-36	1.0E-36	1.0E-36	1.0E-36	1.0E-36	1.0E-36	1.0E-36	1.0E-36	1.05-36	9.0E-37	9.0E-37	8.0E-37	8.0E-37
	Expression Signal	0.57	2.74	1.06	1.08	1.35	1,34	0.82	1.3	3.86	125	<u>¥</u>	0.7	2.77	2.77	1.15	1.15	0.48	0.48	2.72	3.85	0.65	99.0	284	2.98	5.61	4.97	4.02	2.3	23	1.17	1.6
	ORF SEQ ID NO:	36185	26899	28189	28190	28249		32092	32288		32862	32853	33187	34671	34672	34764	34765	34902	34903	35781	36892	37107	37108	37771	38261		 		33929	33830	28342	
	SEQ ID	22728	13941	15171		15227	16406	18308	19088	19378	40502	19592	19892	21282	21282	21357	24357	21488	21488	22349	23395	23613	23813	24244	24874	25136	25414	25579	20568	L_	L	18426
	Probe SEQ ID NO:	2066	888	2156	2155	22/2	3355	5818	6003	6307	65.20	823	8839	8283	8283	8888	8388	8520	8520	8384	10473	10691	10691	11294	11709	12338	12777	13034	7697	7897	3366	6320

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Single Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	httsg01.x1 NCI_CGAP_Kid13 Homo saplens cDNA clone IMAGE:3146256 3' shrifar to contains MER29.b3 MER29 repetitive element;	MD8g01.x1 NCI_CGAP_Kid13 Homo sapiens cDNA clone IMAGE:3146256 3' similar to conteins MER29.b3 MER29 repetitive element ;	RC1-CN0008-210100-012-409_1 CN0008 Homo sepiens cDNA	H.sapiens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LMP7, TAP2, DOB, DQB2 and RING8, 9, 13 and 14 denes	DKFZp434E0422_r1 434 (synanyn: htes3) Hamo sepiens cDNA clane DKFZp434E0422 5	Homo septens jun dimerization protein gena, partial cds; cfos gene, complete cds; and unknown gene	Homo sepieres jun dimerization protein gene, pertial ods; cros gene, complete ods; and unknown gene	EST380899 MAGE resequences, MAGJ Homo sapiens cDNA	wk25b11x1 NC_CGAP_Bm25 Homo sepiens cDNA done IMAGE:2413341 3" similar to contains PTR5:t2 PTR5 repetitive element;	the?gos.x1 NCI_CGAP_Bm25 Homo septiens cDNA done IMAGE:2165140 3' similar to contains L1.b3 L1	Homo sepiens protocatherin abha 10 alternate Isoform (PCDH-alpha10) mRNA, complete cds	Homo serviens Sed1 uno-84 domein protein 2 (SUN2) mRNA, partial ods	EST178035 Colon carcinoma (HCC) cell line Homo sapiens cONA 6' end	EST178035 Colon carcinoma (HCC) cell line Homo saplens cDNA 5 end	AV760211 NPC Hamo sepiens dDNA dane NPCBGH09 5	Homo septems glycine C-acetyltransferase (2-amino-3-ketobutyrate-CoA ligase) (GCAT), mRNA	Homo sepiens NOD1 protein (NOD1) gene, exons 1, 2, and 3	#300604.s1 Soares_fetal_fiver_spleen_1NFLS_S1 Homo sepiens oDNA clone IMAGE:44801537	Human endogenous retroviral DNA (4-1), complete retroviral segment	EST52g10 WATM1 Homo saptens cDNA cione 52g10 strater to human S1S G04101	RC8-UM0014-210200-021-H05 UM0014 Homo sapiens cDNA	ak09c02.s1 Soares_parathyroid_tumor_NbHPA Homo sapiens cDNA clone IMAGE:1405442.31	DKFZp434L2418_r1 434 (synanym: htes3) Hamo saplens cDNA clane DKFZp434L2418	DKFZp434L2418_r1 434 (synonym: htse3) Homo sapiens cDNA clone DKFZp434L2418	EST373222 MAGE resequences, MAGF Homo sapiens cDNA	EST373222 WAGE reseguences, MAGE Homo septens CLAVA	UKF-Zp54/G067_N 54/ (synonym: mitch) Hamo sapiens autw. dane ukr-zpo4/G067
xon Probes E	Top Hit Database Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	Į	T_HUMAN		M	EST_HUMAN	EST HUMAN		ESI TOMAN	5	EST HUMAN	HUMAN	T HUMAN	NT		EST HUMAN	Z	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN
Single	Top Hit Acessian No.	8.0E-37 BE350127.1	8.0E-37 BE350127.1	8.0E-37 AW840840.1		5.1		7.0E-S7 AF111167.2	7.0E-37 AW968823.1	7.0E-37 AI817700.1		7.0E-37 AI536/UZ.1 8.0E-37 AE460680 4	R 05-97 AF202728 4	5 0E-37 AA307123.1	5.0E-37 AA307128.1	5.0E-37 AV750211.1	7657117 NT		72		4.0E-37 N62051.1	4.0E-37 AW794502.1	4.0E-37 AA843806.1	3.0E-37 AL048956.1	3.0E-37 AL048956.1	3.0E-37 AW961150.1	3.0E.37 AW961150.1	3.0E-37 AL138274.1
	Most Stmiler (Top) Hit BLAST E Veitue	8.0E-37	8.0E.37	8.0E-37/	8 OF 47 X87344 1	7.0E-37	7.0E-37	7.05-37	7.0E-37	7.0E-37		7.0E-37	805.37	50E37	5.0E-37	5.0E-37	5.0E-37	5.0E-37	4.0E-37	4.0E-37	4.0E-37	4.0E-37	4.0E-37	3.0E-37	3.0E-37	3.0E-37	3.0E-37	3.0E-37
	Expression Signal	3.73	3.73	6.05	8	233	0.92	0.92	1.56	8.45		8. 8	9 58	433	4.33	0.88	3.87	6.43	2.41	1.05	25'0	0.69	0.57	3.07	3.07	1.74	3.71	0.73
	ORF SEQ ID NO:	32206				1	ZTTTS	27774		37691		37712	13188	32518					28466	30729		32736			28069			32260
	SEQ ID NO:	19013	19013	19062	74485	14324	14788	14788	18170	24069		24194	2017	19788	19286	22075	24217	25133	15438	17831		19486	L.		1	l		19049
	Probe SEQ ID NO:	5927	5927	220	97.0	1288	1759	1759	5161	11100		11241	70,00	365	6243	806	11285	12333	2431	4814	5268	6419	9711	2033	2033	2519	2976	5864

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Probe SEO ID	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vætue	Top Hit Acessian No.	Top Hit Defabese Source	. Top Hit Descriptor
286	20754	34130	0.75	3.0E-37	3.0E-37 AI748952.1	EST_HUMAN	at34c05.x1 Baratead colon HPLRB7 Homo sepiens cDNA clone IMAGE-2373898 3' similar to TR:Q13537 Q13537 SIMILAR TO POGO ELEMENT. ;
384	13494	26426	3.06	2.0E-37	2.0E-37 D89790.1	N	Homo septens mRNA for AML1, complete cds
쭚	13494	26427	3.06	2.0E-37	2.0E-37 D89790.1	TN	Homo sapiens mRNA for AML1, complete ods
1082	14126	27079	2.48	2.0E-37	2.0E-37 AU131202.1	EST_HUMAN	AU131202 NT2RP3 Homo sepiens dDNA clone NT2RP3002166 5
1082	14126		2.49	2.0E-37	2.0E-37 AU131202.1	EST_HUMAN	AU131202 NT2RP3 Hamo sepiens dDNA clane NT2RP3002168 5
1881	15002		2.43		2.0E-37 AL163247.2	M	Homo explens chromosome 21 segment HS210047
900	970	30850		2.05-37	IN UFCEUSP	5	Homo sapiens cytochrome P450, subfamily XXVIIA (steroid 27-hydroxylase, cerebrotendinous verithomatosis), polynestide 1 (CYP27A1b) mRNA
2983	18564	arran a		20E-37	2.0E-37 BF035327.1	EST HUMAN	601458531F1 NIH_MGC_68 Homo septiens cDNA clone IMAGE:3862086 5:
9899	19753	33030	0.55	2.0E-37	11990617 NT	F	Homo sepiens mouse thismin pyrophosphokinase homolog (TPK1), mRNA
8818	19870	33150		2.0E-37	2.0E-37 AA346720.1	EST HUMAN	EST52831 Fetal heart II Homo sapiens cDNA 5' end
8328	21288	34713		2.0E-37	2.0E-37 BE537784.1	EST_HUMAN	801087534F1 NIH_MGC_10 Homo septens cDNA clone IMAGE:3453657 5
8329	21298	34714		2.0E-37	2.0E-37 BE537764.1	EST HUMAN	801087534F1 NIH_MGC_10 Homo sapiens aDNA done !MAGE:3453657 67
8372	21341	34752		20E-37	20E-37 BF204032.1	EST_HUMAN	601869157F1 NIH_MGC_17 Homo saplens cDNA clone IMAGE:4111406 5
11885	24766	38353	8.89	2.0E-37	2.0E-37 AF176013.1	¥	Homo septens J domain containing protein 1 isoform b (JDP1) mRNA, complete cds
12738	25607		1.51	2.0E-37	11417972 NT	M	Homo septens pescadillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA
13074	25607		4.68	2.0E-37	11417972 NT	NT	Homo sepiens pescadillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA
880X	15116	28138	5.41	1.0E-37	1.0E-37 AL163281.2	MT	Homo sepiens chromosome 21 segment HS210081
3985	17025	28836	4.58		1.0E-37 AF189011.1	F	Homo sapiens ribonuclease III (RN3) mRNA, complete ods
4191	17222	30111	1.09	1.0E-37	1.0E-37 BE872365.1	EST_HUMAN	801448819F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3852862 51
4978	17993	30882	221	1.0E-37	1.0E-37 BF371719.1	<b>EST_HUMAN</b>	QV0-FNb180-280700-318-c10 FN0180 Homo sapiens cDNA
6119	19197		1.01	1.0E-37	7305360 NT	Į.	Mus musculus otogelin (Otog), mRNA
8557	21525	34943	0.7	1.0E-37	1.0E-37 BE546032.1	<b>EST HUMAN</b>	801072419F1 NIH_MGC_12 Homo sapiens cDNA clone IMAGE:3458308 5
-							2p21b02.r1 Stratagene neuroepithelium (#637231) Homo sapiens cDNA clone IMAGE:610059 5' similar to
8087	22053	35478	3.45		1.0E-37 AA171406.1	EST_HUMAN	contains L1.t2 L1 repetitive element;
10971	23891	37405	440	1.0E-37	1.0E-37 AV730743.1	<b>EST_HUMAN</b>	AV730743 HTF Homo sapiens cDNA clone HTFAHG10 5
41058	24019	37642	2.07	1.0E-37	1.0E-37 M22878.1	NT.	Human somattic cytochrome c (HC1) processed pseudogene, complete cds
12646	25329		4.28	1.0E-37	1.0E-37 BE771814.1	EST_HUMAN	CM3-FT0096-140700-243-d07 FT0096 Hamo sepiens cDNA
5872	18961	32150	1.67	9.0E-38	10048482 NT	NT	Rattus norvegicus multidomain presynaptic cytomatrix protein Piccolo (LOC56768), mRNA
1228	14284	2722	1.85		11436955 NT	NT	Homo sepiens Grb2-essociated binder 2 (KJAA0571), mRNA
2506	15509	28536	218		BF346221.1	EST_HUMAN	602018401F1 NCI_CGAP_Bm67 Homo sapiens cDNA cione IMAGE:4153992 5
12698	14264	L			11436955 NT	NT	Homo sepiens Grb2-associated binder 2 (KIAA0571), mRNA
3065	16112		1.88		6.0E-38 BF033033.1	EST_HUMAN	601455722F1 NIH_MGC_66 Hamo septens cDNA clane IMAGE:3858348 5

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	Top Hit Descriptor	Homo sapians zho finger protein ZNF287 (ZNF287), mRNA	Homo sapiens zinc finger protein ZNF287 (ZNF287), miRNA	Homo sapiens hypothetical protein FLJ20128 (FLJ20128), mRNA	Homo septens mRNA for potessium charmel Kv4.2	Homo expiens mRNA for potessium charmel KW.2	Hamo sapiens chromosame 12 open reading frame 3 (C12ORF3), mRNA	Homo sapiens DNA for Human PZXM, complete cos	Homo sapiens adenylosuccinette (NESL), minna	EST383908 MAGE resequences, MAGE from suppress curva	Homo sapiens Ritting gene (partier), each o	601450148F1 NIH_MGC_65 Homo sapiens cuiva done invace_3c34014 3	B. faurus mitochondrial espaniate aminoransidase mirva, compens cuc	B.teurus mitochondrial aspartate aminotransferase miruva, complete U.V.s	Homo sepiens homeobox protein CDX4 (CDX4) gene, compare cus and lianving report regulars	Homo sepiens HIRA Interacting protein 4 (dna. Liike) (HIRIP 4), mrana	SSU72 PROTEIN	SSU72 PROTEIN	Homo sepiens dyromosome 21 segment HS21C100	XWO4GOLX1 NCL CGAP Brids Homo sepiens culva done livrace	EST9/188 Synokal sercoma Homo saptens cDNA 5 end	CMS-F10181-140700-241-107 F10181 Hamo sapirans CUIVA	W88b04.r1 Sogres meternocyte ZNDHM Hamo septens CUNA Gare IMAGE: 249770 5	W88604.11 Sogres metanocyee Zvichim from septens curva causa immontativo 13 5	Hamo septens chramosome 21 segment no. 1 (2000)	Hamo sapiens chromosome 12 doen reading mane 3 (0120013), ilinuito	Hamo septens chromosome 21 segment NSZ10046	Hamo septems SMT3 (suppressor of mit two 3, yeast) hamatog 2 (SM13/11/11/11/11/11/11/11/11/11/11/11/11/1	ZW30d01.r1 Sogres overy tumor ND+OT Hamo explents GJNN ciche IMANAE.770789 Strimer to SW-MA12_RABIT P45701 MANNOSYL-OLIGOSACCHARIDE ALPHA-1,2-MANNOSIDASE;		П	ZA61409.11 Scenes_bestis_NHT Homo sapiens cDNA clone IMAGE:756129 5 similar to TR:G517857 G217857 GLYCINE RECEPTOR SUBLINIT ALPHA 4;
AUI LIOUSS	Top Hit Database Source	NT	M	Į.	NT	뒫	NT	F	¥	EST HUMAN	¥	EST HUMAN	¥	¥	TN.	¥	SWISSPROT	SWISSPROT	Į,	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	¥	N	¥	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
	Top Hit Acesslon No.	11425114 NT	11425114 NT	TN 0515298	6.0E-38 AJ010969.1	6.0E-38 AJ010969.1	11435947 NT	6.0E-38 AB002059.1	11418164 NT	5.0E-38 AW971819.1	6.0E-38 AJ237740.1	5.0E-38 BE871610.1	25468.1	25468.1	3.0E-38 AF003530.1	7549807 NT		53538	3.0E-38 AL163300.2	3.0E-38 AW302461.1	3.0E-38 AA378327.1	3.0E-38 BF373664.1	H85494.1	3.0E-38 H85494.1	3.0E-38 AL163248.2	11435947 NT	2.0E-38 AL163248.2	5902097 NT	20E-38 AA437363.1	2.0E-38 AA437353.1	20E-38 W78571.1	2.0E-38 AA437181.1
-	Most Similar (Top) Hit BLAST E Vatue	6.0E-38	6.0E-38	6.0E-38	6.0E-38/	8.0E-38/	8.0E-38	8.0E-38	6.0E-38	5.0E-38	6.0E-38	5.0E-38	4.0E-38 ZZ5468.1	4.0E-38 Z25468.1	3.0E-38	3.0E-38	3.0E-38 P53538	3.0E-38 P53538	3.0E-38	3.0E-38	3.0E-38	3.0E-38	3.0E-38	3.0E-38	3.0E-38	3.0E-38	2.0E-38	2.0E-38	2.0E-38	2.05-38	20E-38	
	Expression Signal	1.48	1.48	0.51	47.0	0.74	3.19	18.01	1.08	1.28	1.24	1.8	3.65	3.65	3.98	124	1.68	1.08	7.83	9.0	0.57	6.28	1.97	1.97	2.06	1.48	2.54	228	2.07	2.07	1.11	0.79
	ORF SEQ ID NO:	31835	31936	33871	33836	33937		31765	31616	28724	28487	33584					29817					34167	L	_		31171	25081		<u> </u>		L	
	Exan SEQ ID NO:	18785	187R5	20543	20573	20573	25035	25347	25733	13789	15464	20250	13228	<u>L</u>		L			L	L	L		<u> </u>		23255	18333	13172			1 _		
	Probe SEQ ID NO:	02.99	25.70	TEED	7813	7843	12189	12877	13052	728	2460	8227	118	119	2110	3710	3860	888	88	7455	7832	7844	6997	8997	10331	12809	33	1380	<u> </u>	1853	2418	6271

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Top Hit Descriptor	Homo sapiens mRNA for ankyrin B (440 kDa)	Homo saplans mRNA for ankyrh B (440 kDa)	AV72/103 HTB Homo sapiens cDNA clone HTBARH11 5	MR3-HT0487-150200-113-g01 HT0487 Hamo sepiens aDNA	HSC18F031 normalized infant brain cDNA Homo sapiens cDNA clone c-18f03	Homo sapiens orphan G protein-coupled receptor HG20 (HG20) mRNA, complete cds	hu09g02.x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3168130 3' similar to TR:002710 062710 GAG POLYPROTEIN.;	Homo saplens mRNA for KIAA0145 protein, partial cds	QV2-HT0698-080800-293-e06 HT0698 Homo sepiens cDNA	Homo sepiens leucine-rich repest-containing G protein-coupled receptor 6 (LGR6) mRNA, partial cds	Homo sapiens leucine-rich rapeat-containing G protein-coupled receptor 6 (LGR6) mRNA, partial ods	AV726988 HTC Hamp sepiens dDNA clane HTCAXH07 5	Homo saplens gene for kinesin-like protein, complete cds	Human topolsomerase I pseudogene 2	CHR220580 Chromosome 22 exan Hamo saplens cDNA clane C22_788 5	Homo sapiens sulfotransferase-related protein (SULTX3), mRNA	2u62b02.rf Soeres testis NHT Hamo septens aDNA done IMAGE:742639 6 similar to contains element	MEK19 repetitive element;	Homo sapiens guanine nucleotide binding protein-like 1 (GNL1), mRNA	Homo sepiens KIAA0173 gene product (KIAA0173), mRNA	Hamo sapiens cyclin K (CCNK) gene, exan 7	Homo sepiens mRNA for KIAA1442 protein, partial cds	Homo sepiens chromosome 21 segment HS210003	Homo seplens chromosome 21 segment HS21C003	Homo sapiens hypothetical protein FLJ10600 (FLJ10600), mRNA	7844H08 Chromosome 7 Fetal Brain cDNA Library Homo sepiens cDNA clone 7844H08	Mus musculus obgelin (Otog), mRNA	Mus musculus otogetin (Otog), mRNA	Homo sapiens mRNA for KIAA0612 protein, pertial cds	Homo sepiens hypothetical protein FLJ10600 (FLJ10600), mRNA
Top Hit Database Source	N F	₹ IN	EST_HUMAN /	EST_HUMAN !	EST_HUMAN	IN LN	EST_HUMAN (		EST_HUMAN (	NT IN	_ <del>-</del>	EST_HUMAN /		±N.	EST_HUMAN (		Г	HUMAN				NT	Ę	H.		EST_HUMAN 7				
Top Hit Acessian No.			3.4	1 1		2.0E-38 AF069755.1	E222268.1	Γ	2.0E-38 BE712790.1		2.0E-38 AF190501.1	5	ž.			11418248 NT	Г	1.0E-38 AA401570.1	4885288 NT	7681969 NT	1	1.0E-38 AB037863.1	1.0E-38 AL163203.2	2	8022543 NT	1.0E-38 AA077528.1	7305360 NT	5360	1	11422250 NT
Most Similar (Top) Hit BLAST E Vatue	2.0E-38 Z26634.2	2.0E-38[Z26634.2	2.0E-38/	2.0E-38	2.0E-38 F06450.1	2.0E-38/	2.0E-38	20E-38	2.0E-38	2.0E-38	2.0E-38	2.0E-38/	2.0E-38/	2.0E-38 M55630.1	2.0E-38 H55641.1	2.0E-38		1.0E-38/	1.0E-38	1.0E-38	1.0E-38/	1.0E-38/	1.0E-38/	1.0E-38 AL 163203.	1.0E-38	1.0E-38	1.0E-38	1.0E-38	1.0E-38	1.0E-38
Expression	0.61	0.61	127	5.59	0.55	121	1.04	1.74	4.62	3.66	3.66	3.30	2.13	2.51	8.8	8		238	1.92	1.17	2.01	0.99	10.48	10.48	0.83	0.77	8.58	6.58	3.03	0.55
ORF SEO ED NO:	32079	32080	34322		35642			37239	38284	38429	38430				31810	-			28047	28071	28532	30101				31032	32447		33957	35915
SEQ ID	18897	18897	L		L		22538	23736	24702	24834	24834	26071	25072	25262	ł	25599	ı	14139	15036	15054	15505	17213	17379	17379	17648	18152	L	19218	20594	
Probe SEQ ID NO:	2807	2807	7988	8828	8778	9816	9/26	10816	11819	11965	11955	12240	12242	12538	12548	13065		<del>2</del> 8	2015	2035	2602	4182	4352	4352	4827	5143	6143	6143	7634	8098

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Top Hit Descriptor	ht09g01.x1 NCI_CGAP_Kid13 Homo sepiens cDNA clone iMAGE:3146256 3' similer to conteins MER29.b3 MER29 repetitive element ;	Homo expiens chromosome 21 segment HS210084	Homo sapiens ATPase, H+ transporting, lysosomal (vacudar proton pump) 18kO (ATP6C) mRNA	Homo sapiens estrogen receptor-binding fragment-associated gene 9 (EIBAG9) mMVA	whe3f10.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2384491 3' similar to TR1P87890 P87890 POL PROTEIN ;	Homo sapians chromosome 21 segment H321 C027	QV1-BT0831-040900-357-f02 BT0831 Home septens cDNA	7e34c03.x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:3284356 3' cliniter to WP:R151.8 CE00828 ;	Homo sapiens X-Inked arhidrottic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat	negions	at36b04.x1 Berstead colon HPLRB7 Homo saptens cDNA clone IMAGE-2374063 3' similar to TR:Q15408 Q15408 NEUTRAL PROTEASE LARGE SUBUNIT ;contains LTR7.t1 LTR7 repetitive element;	Homo septens hypothetical protein FLJ10803 (FLJ10803), mRNA	Chlorocebus settriops mRNA for ribosomal protein S4X, complete cds	Homo sepiens chromosome 21 segment HS21CX10	Homo sepiens EBNA-2 co-ectivator (100kD) (p100), mRNA	Homo sapiens EBNA-2 co-activator (100kD) (p100), mRNA	ee62g04.s1 Stratagene schizo brein S11 Homo saptens cDNA clone IMACE::1020438 3' stimitat to contents OFR.b1 OFR repetitive element ;	Homo septens DNA for prostacyclin synthase, exon 2	Homo sapiens DNA for prostacyclin synthasa, exon 2	Homo sapiens Ran GTPase activating protein 1 (RANGAP1), mRNA	QV0-FN0063-280600-278-c06 FN0063 Hamo sepiens cDNA	frinte of Regional genomic DNA specific cDNA library Homo sapiens cDNA clone CR12-1	firife16 Regional genomic DNA specific cDNA library Homo sapiens cDNA clone CR12-1	finitati Regional genomic DNA specific cDNA library Homo sapiens cDNA clone CR12-1	oxc3a10.s1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:1660986 3' similar to SW:GTR5_RAT P43427 GLUCOSE TRANSPORTER TYPE 5, SMALL INTESTINE;	0x63a10.s1 Soares_NH-IMPU_S1 Homo sapiens cDNA clone IMAGE:1680988 3' similar to SW:G1R6_KA I P43427 GLUCOSE TRANSPORTER TYPE 5, SMAIL, INTESTINE;
Top Hit Databese Source	EST_HUMAN ME				EST HUMAN PO	Т	EST_HUMAN QV		1	TN Teg	ats EST_HUMAN Q1			NT Ho			EST HUMAN OF	T	H H		EST_HUMAN Q		EST_HUMAN fm		EST_HUMAN P4	EST_HUMAN PA
Top Hit Acession No.	1.0E-38 BE350127.1	1.0E-38 AL163284.2	4602312 NT	4758229 NT	8.0E-39 AI823404.1		6.0E-39 BF331829.1			5.0E-39 AF003528.1	6.0E-39 AI750154.1	11420289 NT	4.0E-39 AB015610.1	4.0E-39 AL163210.2	11422113 NT	11422113 NT	4 OF -39 AAG82949.1			11418177 NT	4.0E-39 BE838452.1	3.0E-39 AA631949.1	3.0E-39 AAB31949.1	3.0E-39 AAG31949.1	3.0E-39 Al084557.1	3.0E-39 AI084557.1
Most Similar (Top) Hit BLAST E Vetue	1.0E-38	1.0E-38	8.0E-39	8.0E-39	8.0E-39	7.0E-39	6.0E-39	6.0E-39		5.0E-39	5.0E-39	5.0E-39	4.0E-39	4.0E-39	4.0E-39	4.0E-39	4.05-39	4.0E-39	4.0E-39	4.0E-39	4.0E-39	3.0E-39	3.0E-39	3.0E-39	3.0E-39	3.0E-39
Expression Signal	6.34	208	5.73	76'0	18.	5.19	18	. 3.12		£.	8.13	282	20.77	280	0.65	99.0	1 14	<b>1</b> 60	16.0	3.20	3.15	14.8	14,8	14.8	6.14	6.14
ORF SEQ ID NO:	36162		26087	27398		28142	37845			27010	28976		26542	29550	32207	32208	96,776	3600	36083			26076				
SEQ ID	22708	25712	13178	14429	44872	15122	24118	25545	2	14058	16056	25356	13622	16832	19014	19014	74.280	22637	22637	25363	25441	1_	L	L	<u> </u>	
Probe SEQ ID NO:	9785	12401	88	1396	1848	202	11160	200	100	1009	88%	12880	239	3587	5928	8028		7880	888	12704	12810	9	6	8	12233	12233

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Single Exon Probes Expressed in Bone Marrow

SEC ID SEC ID NO: NO: 13963   13963   14079		Most Signal (Top) Hit Top Hit Acession Signal BLASTE No. Source	11.16 3.0E-39 H37003.1 EST_HUMAN lyp51c06.s1 Soares retina N2b4HR Homo sepiens cDNA clone IMAGE:190864 3*	9.78 2.0E-39 BE409203.1 EST HUMAN 601301607F1 NIH MGC_21 Homo septens cDNA clone IMAGE:3636289 5	EST_HUMAN	ĮŅ.	24.51 2.0E-39 AW372318.1 EST_HUMAN PMO-BT0340-211289-003-402 BT0340 Homo septens dDNA	28017 3.62 2.0E-39 AA720574.1 EST HUMAN THR receitive element:	2.3 2.0E-39 AL163248.2 NT	EST HUMAN	4.2 2.0E-39 AA508880.1 EST HUMAN	33915 2.34 2.0E-39 AA080867.1 EST_HUMAN   200602.r1 Strategene hNT neuron (#837233) Homo sepiens cDNA clone IMAGE:546851 5	34101 0.61 2.0E-39 AL 163202.2 NT Homo sepiens chromosome 21 segment HS21 C002	34102 0.61 2.0E-39 AL 163202.2 NT Homo sapiens chromosome 21 segment HS21C002	35041 0.58 2.0E-39 AF078779.1 NT Rattus norvegious putetive four repeat ion channel mRNA, complete cds	2.0E-39 AA984531.1 EST_HUMAN	0.63 2.0E-39 A 686660.1 EST HUMAN	2.58	3.52 . 1.0E-39 AJ006345.1  NT	3.52 1.0E-39 AJ006345.1  NT	6.96 1.0E-39 7657020 NT	6.87 1.0E-39 AW951995.1 EST_HUMAN	6.87 1.0E-39 AW951995.1 EST_HUMAN	30843 8.48 1.0E-39 7657020   Homo sapiena DKFZp434P211 protein (DKFZP434P211), mRNA	Homo sapiens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (10E-39 11417342 NT (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A), mRNA	Homo sapiens sema domain, sewen thrombospondin repeats (type 1 and type 1-like), transmembrane domain and 10E-39 (1417342 NT (TM) and short cytoplesmic domain, (semaphorin) 5A (SEMASA), mRNA	T Li IMAN	4.7 1.0E-39 A.1278170.1 INT	4.7 1.0E-39 AJ278170.1 NT	1.68 1.0E-39 11438736 NT	1.0E-39 D78132.1 NT	O OR 1 OF 30 DARGO SWISSPROT
SEC ID SEC ID NO: NO: 13968 113968 114079 11		~		 				28017	28659	30349	31624	33915	34101	34102	35041			38271	27520	77621	27535	30803	30604	30643	31442	31443	34062	32023	32024	-	33911	2000
	-	SEQ ID							L		L						1 1											L	1_	L		ł

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	Top Hit Descriptor	Homo sapiens UDP-glucose pyrophosphorylase 2 (UGP2), mRNA	Homo sepiens AE-binding protein 1 (AEBP1) mRNA	Homo seplens AE-binding protein 1 (AEBP1) mRNA	Homo sepiens tissue Inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudofrifermatory) (TIMP3) mRNA	Homo sepiens fregile X mental retardation 1 (FMR1) mRNA	Homo sepiens mRNA for KIAA1244 protein, pertial cds	Homo sepiens ubiquitin specific protesse 13 (isopeptidase T-3) (USP13) mRNA	7H15A04 Chromosome 7 HeLa cDNA Library Homo saplens cDNA cone 7H15A04	601288958F1 NIH MGC 8 Hamo sapiens cunna dane imalationale	Human DNA polymerase gamma mRNA, nuclear gene encoding mitochondrial protein, complete ods	Human DNA polymerase gamma mRNA, nuclear gene encoding mitochondrial protein, complete cds	Hamo sapiens chranosane 21 segment HS210046	EST70527 T-oal lymphoma Homo sepiens cDNA 5' end similar to similar to zinc finger protein family	EST70527 T-cell lymphoma Homo expiens cDNA 5' end similar to similar to zinc finger protein family	hz40g01 x1 NCI_CQAP_GC8 Homo espiens cDNA cione IMAGE:32710460 3	Homo, sepiens KIAA0211 gene product (KIAA0211), mRNA	Homo sapiens fatty acid desaturase 1 (FAUS1), mKNA	Homo sapiens fafty acid desaturase 1 (FADS1), mRNA	AV653028 GLC Homo sapiens CDNA crone GLCUCIFU4 3	AV653028 GLC Hamo capiens cDNA clane GLCJJCFV4 3	Homo sapiens chromosome 21 segment HSZ10085	tenton an INC CGAP_P728 Homo septiens con A clone IMAGE-2248873 3' smiller to INC USSUS U 33005 POL PROTEIN ;	Homo sapiens X-linted anhidroitic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat	regions	Homo sapiens KIAAD433 protein (KIAAU433), mrkiva	AU127831 NI 24-2 Mario septens cultura came in Lath Zulz 172 3	INCHESTO, TINCT, CASAP, ENGINE SEPTENT CLIVING STATES LAND INVINCE. LEZE 122.	אסיביים בישקים אינות סועיוסל בווג סועיוסל האינות אפעים בי יהייים
	Top Hit Database Source									EST HUMAN 60	Ŧ	•	Ĭ	EST_HUMAN E		T HUMAN				HUMAN	T HUMAN	Ξ Σ	EST HUMAN P	Г			Т	Т	EST HUMAN IN
	Top Hit Acession No.	5803210 NT	4755145	4755145 NT	4507512 NT	4503784 NT	9.0E-40 AB033070.1	4507848 NT	8.0E-40 AA078165.1	8.0E-40 BE396541.1	7.0E-40 U60325.1	7.0E-40 U60326.1	1.2	6.0E-40 AA361275.1	8.0E-40 AA361275.1	8.0E-40 BE504768.1	7681999 NT	11439783 NT	11439783 NT	6.0E-40 AV653028.1	6.0E-40 AV653028.1	5.0E-40 AL163285.2	4.0E.40 A1886005.1		AF003528.	7682117 NT	4.0E-40 AU127831.1	4.0E-40 AA742809.1	BE009416.1
	Most Similar (Top) Hit BLAST E Veftue	D.0E-40	9.0E-40	9.0E-40	9 0F 40	901	9.0E-40	9.0E-40	8.0E-40	8.0E-40	7.0E-40	7.0E-40	7.0E-40	6.0E-40	6.0E-40	6.0E-40	6.0E-40	6.0E-40	8.0E-40	6.0E-40	6.0E-40	5.0E-40	4.0E.40		4.0E-40	4.0E-40	4.0E-40	4.0E-40	4.0E-40
	Expression Signal	1.8	14.84	14.84	8	88.0	405	0.78	PS.0	2.39	222	22	1.78	7.6	7.5	2,06	1.32	3.38	3.38	9.47	9.47	1.12	3.2		222	8.57	0.44	4.81	5.53
-	ORF SEQ ID NO:	28645	L		77.453	20748			29028		34317	34318		28746	78747			33359			36739	28635				30333			35812
	Exam SEQ ID NO:	13627	14275	14275	44478	46830	18345	17401	16111	16985	20924	20924		15731	15731	19130	19343	<u></u>	20056	L.	_	Ĺ	<u>L</u>	1	15134	17442		21283	Ш
	Probe SEO ID NO:	2557	1230	285		2 6	2006	£27	308	3945	7885	7985	11243	2737	2737	8	8278	712	7121	10338	10336	2612	4804	3	2117	4415	8248	8324	9410

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	Top Hit Descriptor	tm88c04 x1 NCI_CC3AP_Bm25 Homo sapiens cDNA clone IMAGE:2185858 3' similar to contains OFR.b1 OFR repetitive element ;	Homo sapiens 950 to contig between AML1 and CBR1 on chromosome 21q22; segment 1/3	Homo sapiens 859 kb contig between AML1 and CBR1 on chromosome 21922; segment 1/3	H. saplens Divesse I hypersensitive site (HSS-3) enhancer element	AV758295 BM Hamo sepiens cONA clone BMFBHC06 5	601898096F1 NIH_MGC_17 Hamo sepiens cDNA clane IMAGE:4122119 5	AV710480 Cu Hamo sepiens cDNA clone QuAACC07 5	Home sapiens PAD-H19 mRNA for peptidylarginine deminase type II, complete cos	Homo sepiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	Homo sapiens mRNA for KIAA1327 protein, partial cds	H.sapiens mRNA for putative p64 CLCP protein	Homo sepiens mRNA for KIAA1387 protein, partial cds	EST64883 Jurkat T-cells VI Homo sepiens cDNA 5 end	1975-d08.r1 Sceres breast 2NbHBst Homo sapiens cDNA clone IMAGE: 1545/55	QV0-BN0040-170300-160-h08 BN0040 Homo sepiens CJNA	QV0-BN0040-170300-160-h08 BN0040 Homo sepiens cDNA	ef17f10.s1 Sceres, testis, NHT Homo sapiens CDNA cione IMAGE::1031947 3'	Human ribosomal protein L23a mRNA, complete cds	EST35818 Embryo, 8 week I Homo sapiens CDNA 5' end	Human mRNA for KIAA0207 gene, complete cds	G.garilla DNA for ZNF80 gene homolog	Human ribosomal protein L23a mRNA, complete cds	Homo sapiens con of sevenless (Drosophilla) homolog 1 (SOS1) mRNA	Homo sapiens chromosome 21 segment HS21 C067	Homo sepiens chromosome 21 segment HS21C067	no12c07.s1 NCI_CGAP_Phe1 Hamo sapiens cDNA clane IMAGE:1100460 3' similar to gb:X52851_ma1 PEPTIDYL-PROLYL CIS-TRANS ISOMERASE A (HUMAN);	Homo sapiens integrin, beta 8 (ITGB8) mRNA	Homo sapiens handog of Nedd5 (hNedd5) mRNA, complete cds	Homo sapiens origin recognition complex, subunit 5 (yeast homolog)-like (ORCSL), mRNA	Human B-cell specific transcription factor (BSAP) mRNA, complete cds	Human B-cell specific transcription factor (BSAP) mRNA, complete cds
20021 1100	Top Hit Database Source	EST HUMAN O	Г			EST_HUMAN A	П	T HUMAN	H	¥ 8	¥ LN	NT H.	H H					T HUMAN	╗	HUMAN	Ĭ	NT O				H H	EST_HUMAN PI					
	Top Hit Acession No.	4.0E-41 AI500408.1		4.0E-41 AJ228041.1					3.0E-41 AB030176.1	3.0E-41 AB026898.1	3.0E-41 AB037748.1		3.0E-41 AB037808.1	1.1		1	3.0E-41 AW994941.1	2.1	2.0E-41 U43701.1	1.			2.0E-41 U43701.1	5032106 NT		2.0E-41 AL163267.2		4504778 NT	2.0E-41 AF038404.1	422047	2.0E-41 M96944.1	
	Most Similar (Top) Hit BLAST E Veltue	4.0E-41	4.05.41	4.0E-41	4.0E-41 X92685.1	4.0E-41	4.0E-41	4.0E-41	3.0E-41	3.0E-41	3.0E-41	3.0E-41 X87689.1	3.0E-41	3.0E-41	3.0E-41 R54795.1	3.0E-41	3.0E-41	3.0E-41	2.0E-41	2.0E-41	2.0E-41 D86962.1	2.0E-41 X89631.1	2.0E-41	2.0E-41	2.0E-41	2.0E-41	2.0E-41	2.0E-41	20E-41	20E-41	2.0E-41	2.0E-41
	Epression Signal	89	3.58	3.56	228	1.31	8.41	11.56	2.51	2.6	1.15	9.46	1.61	0.62	0.52	3.46	3.46	1.49	15.21	2.18	1.37	4.43	66.7	60	1.13	1.13	0.61	0.85	6.36	9.0	1.63	1.63
	ORF SEQ ID NO:	27846		28877	30085		38446		<b>29892</b>	30271		31625	32839	33797	34407	28587	38588		27570	27998	79282	28314	27570	29795	30580			33121				34781
	Exan SEQ ID NO:	14673	15958	15958	17100	19715	22979	24858	14000	17389	18157	18686	19581	20439	21009	24088	24986		14595	14998	15242	15289	14595	16891	17673	17873	1	1	1_	L	1	Ш
	Probe SEQ ID NO:	2	8	280	<del>1</del> 88	88	10052	11881	g	4362	5148	5568	8618	7473	8072	12116	12116	12185	184	1975	8222	2278	2839	3851	4653	4652	5617	6782	7835	8148	848	8403

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			1	1				1				1									\$	zi —					7					7
	Top Hit Descriptor	EST31723 Embryo, 12 week I Homo saplens cDNA 6' end	ZINC FINGER PROTEIN 135	Homo sapiens KIAA0433 protein (KIAA0433), mRNA	Homo septens KIAA0433 protein (KIAA0433), mRNA	EST84556 Colon adenocarcinoma IV Homo sapiens cDNA 5' end	601445647F1 NIH_MGC_65 Hamo sepiens cDNA clane IMAGE:3849803 5	601445647F1 NIH_MGC_65 Hamo sepiens cDNA clane IMAGE:3848803 5	Mas musculus tubulin alpha 6 (Tubae), mRNA	yx18b03.s1 Soares metanocyte 2NbHM Homo sepiens cDNA clone IMAGE:282061 3	qf75010.x1 Soares_testis_NHT Hamo septens aDNA clane IMAGE:1755858 3'	III.3-CT0213-190200-040-F09 CT0213 Homo sapiens cDNA	Homo sapiens hypothetical protein FLJ20454 (FLJ20454), mRNA	RC0-HT0813-210300-032-g01 HT0813 Homo septems cDNA	Homo sapians hypothetical CZH2 zinc finger protein FLJ22504 (FLJ22504), mRNA	Homo sapiens hypothetical CZH2 zho finger protein FLJ22504 (FLJ22504), mRNA	Hamo sapiens homedoax protein CDX4 (CDX4) gene, complete cds and flanking repeat regions	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	MBNA (Mark) to compare more mark when the manufacture and the manu	The same of the sa	InhO7c02.s1 NC_CGAP_Thy1 Home septems cDNA clone IMAGE;943566 similar to 1 K;0454504 G454304 3678P EXPRESSED SEQUENCE TAG MRNA;	xx87a04_x1 NCI_CGAP_Bm36 Homo septens cDNA done IMAGE:2582174 3' similar to contains OFR.12	OFR repetitive element;	Hamo saplens chronosome 21 segment HSZ1C085	ly38g04.rf Scares fistal liver splicen 1NRLS Homo sepiens cDNA clone IMAGE:123174.5	qf58g12.x1 Sceres_testis_NHT Homo sepiens aDNA alone IMAGE:175427837	Inf23g07.s1 NCI_CGAP_Pr1 Hamo sepiens cDNA clans IMAGE:914652	Inf23g07.s1 NCI_CGAP_Pr1 Hamo septens cDNA clane INAGE:914652	Homo septens phospheticlyfinosital 4-kinese 230 (pi4K230) mRNA, complete cds	Homo sapiens phosphatidy/inosital 4-kmase 230 (p/4K230) mRNA, complete cds	Ap29708.X1 NCI_CGAP_HN10 Homo sepiens CDNA clone IMAGE:2741789 3" similiar to conteins L1.11 L1	repositive element;
20111100	Top Hit Database Source	EST_HUMAN	SWISSPROT	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	EST HUMAN	EST_HUMAN	EST_HUMAN	¥	EST_HUMAN	IN	TN	TN.	Į.	!	Ž	EST_HUMAN		EST_HUMAN	¥	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	NT	NT		EST_HUMAN
Oli igle L	Top Hit Acesslon No.	AA328265.1	P52742	11417118 NT	11417118 NT	2.0E-41 AA372637.1	1.0E-41 BE869735.1	1.0E-41 BE869735.1	6678468 NT	1.0E-41 H99079.1	1.0E-41 AI217868.1	1.0E-41 AW847812.1	11526291	9.0E-42 BE179191.1	11580151 NT	11560151 NT	8.0E-42 AF003530.1	8.0F.42 AB026898.1		IN LEGISTRA	8.0E-42 AA403806.1		8.0E-42 AW088062.1	7.0E-42 AL163285.2	7.0E-42 R10963.1	7.0E-42 AI204358.1	7.0E-42 AA569592.1	7.0E-42 AA569592.1	6.0E-42 AF012872.1	8.0E-42 AP012872.1		6.0E-42 AW238656.1
	Most Similar (Top) Hit BLAST E Value	2.0E-41		2.0E-41	2.0E-41	2.0E-41	1.05-41	1.0E-41	1.0E-41	1.0E-41	1.0E-41	1.0E-41	1.05-41	9.0E-42	9.0E-42	9.0E-42	8.0E-42	8 0E-42		8.0E-42	8.0E-42		8.0E-42	7.0E-42	7.0E-42	7.0E-42	7.0E-42	7.0E-42	6.0E-42	8.0E-42		6.0E-42
	Expression Signal	1.47	1.61	0.72	0.72	221	1.33	1.33	7.8	0.49	1.73	1.56	272	1.08	3.08	3.08	6.85	1.48		1,06	88		1.55	1.46	9.0	1.67	3.47	3.47	3.35	335		5.49
	ORF SEQ ID NO:	34815	35721	36167	36168	38281	28197		30512	31278	36169				35939					31080						38052		38001				
	Exan SEQ ID NO:	21402	18222	27713	22713	24700	16274	16274	17819	18358	22714	24437	25132	21832	22492	22482	13536	15435		18206	25850		25728	13985	21781	22803	24460	24450	14888	14898		15309
	Probe SEQ ID NO:	8433	8238	8772	8772	11815	3219	8279	4598	7028	877B	1494	12332	888	8538	8238	\$	24	2	5197	12378		12394	288	8814	888	11588	11508	1873	1873		7287

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					•		
Probe SEQ ID NO:	SEQ ED NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Velue	Top Hit Acesson No.	Top Hit Database Source	Top Hit Descriptor
5039	18052		1.46		6.0E-42 AI284770.1	EST HUMAN	qu24h09.x1 NCI_CQAP_Br12 Homo sapiens cDNA done IMAGE:1865761 similar to contains Atu repetitive element.
55.53	L				8.0E-42 AB028990.1	M	Homo sapiens mRNA for KJAA1067 protein, partial cds
5805	L	31580	1.37	6.0E-42	6.0E-42 AB028880.1	M	Homo saplena mRNA for KIAA1087 protein, partial ods
138	13241		5.99		5.0E-42 A.1271735.1	NT	Homo septens Xq pseudosutosomal region; segment 1/2
438	13512	28443	1.7		5.0E-42 BE217913.1	EST HUMAN	INS1611.X1 NCI_CGAP_Lu24 Homo septems aDNA chane IMAGE:3175052.3'
487	L		4.65	5.0E-42	5730038 NT	N	Homo saplens SET domein and marinar transposase fusion gene (SETMAR) mRNA
488	13581		1.37	5.0E-42	5730038 NT	NT	Homo sapiens SET domain and mariner transposase fusion gene (SETMAR) mRNA
7788	40807	23104	1 07	5 OF 42	11433063 NT	Ę	Homo sapiene ubiquifin protein ligase E3A (human papilioma virus E6-essociated protein, Angelman syndrome) (UBE3A), mRNA
							Homo septens ublquifin protein ligase E3A (human papilloma virus E6-associated protein, Angelman
88	19897	33192	1.07	5.0E-42	11433083 NT	¥	syndrome) (UBE3A), mRNA
1769	1	L		L		۲	Homo sapiens myotubularin related protein 3 (MTMR3), mRNA
	L						Homo sapiens multifunctional calcium/calmodulin-dependent protein kinase II delta2 lacform mRNA, complete
7409	20376	33727	1.6		5.0E-42 AF071569.1	۲	cds
8110	21047	34447	0.51		4828977 NT	Ŋ	Homo sapiens reelin (RELN) mRNA
9131	22097	35524	2.98		5.0E-42 AB037715.1	LN.	Homo sepiens mRNA for KIAA1294 protein, partial ods
10970	L	37403	0.48		11431168 NT	LN	Homo sapiens 3-hydroxyenthranilate 3,4-dioxygenese (HAAO), mRNA
10970	L	37404	0.48		11431168 NT	NT	Homo saplens 3-hydroxyanthranilate 3,4-dioxygenesse (HAAO), mRNA
12087	l _	38555			5.0E-42 X98411.1	M	H.sapiens mRNA for myosin-IE
12087	I _	38666	3.28		5.0E-42 X98411.1	IN	H. sapiens mRNA for myosin-IE
\$	13815	26758	23.04		4.0E-42 AP055068.1	NT	Hamo sepiens MHC class 1 region
75	l	26759	23.04		4.0E-42 AF055068.1	NT	Homo septens MHC class 1 region
1067	14112		2.03		4.0E-42 AF189011.1	NT	Homo sepiens ribonuclease III (RN3) mRNA, complete cds
4223	17252	30139	1.24		4.0E-42 X59417.1	TN	H.sapiens PROS-27 mRNA
4255	47284	30168	1.12		4.0E-42 AF246219.1	N	Homo septens SNARE protein kinase SNAK mRNA, complete cds
4277	17306	30185	4.28		4508496	LN	Homo septens regulatory factor X, 4 (influences HLA class il expression) (RFX4) mRNA
4613				4.0E-42		N	Hamo saplens zinc finger protein 177 (ZNF177) mRNA
233	18285	31155		4.0E-42	4.0E-42 AL163203.2	LN.	Homo septens chromosome 21 segment HS21C003
6230	L	31158	-	4.0E-42	4.0E-42 AL163203.2	LN	Hamo sapiens chromosome 21 segment HS210003
10850	l	37269	0.54		4.0E-42 AW371201.1	<b>EST_HUMAN</b>	CM0-8T0282-171289-127-b03 BT0282 Homo septems cDNA
11010		37499	1.88		4.0E-42 AW818630.1	EST_HUMAN	RC1-ST0278-040400-018-h11 ST0278 Homo sapiens cDNA
11010	23975	37500	1.88		4.0E-42 AW818630.1	EST_HUMAN	RC1-ST0278-040400-018-h11 ST0278 Homo sepiens cDNA
11741	24626	38205	2.69		4.0E-42 BF035327.1	EST HUMAN	601458531F1 NIH_MGC_88 Homo saplens cDNA clone IMAGE:3882088 6

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Top Hit Descriptor	RC0-TN0079-110900-024-g07 TN0079 Homo sepiens cDNA	AV690218 GKC Hamo sapiens clivia dane GKUXBabus o	RC3-NN0070-270400-011-110 NN0070 Homo septents cunA	2819293.3prime NIH MGC_7 Hamb septems dury dane invocation is 255.3	EST38/438 MAGE resequences, MAGC mans equals across	EST367438 MAGE resequences, MAGE Hamb sequences outline control	Human neperiocyte growin racid (intro-r) minner, whiteness and a place high GE-1863447.3'	OWESCADE X Scares fetal liver spicen Thirt S of Thirt Bapters Color Guin Involved to the Color of the Color o	601061284F1 NIH MGC 10 Homo sapients dured caute invisce. Strategic s	RIBONUCI EASE KS (KINASE NS)	RIBONUCLEASE K3 (RNASE K3)	RCO-LT0001-150200-032-411 LT0001 Hamo sapiens CUNA	Homo saplens chromosome 21 segment HSZ10349	Human endogenous retrovirus pHE-1 (ERV9)	UI-H-BI1-eft	Homo saplens partial C9 gene for complement component C8, exten 1	Homo sepiens partial C9 gene for complement component C8, exon 1	Homo sapiens NADH-ubiquinone oddoreductase AGGG subunti precursor homotog mirtvA, nucestr gene encoding mitochandrial protein, complete cds	Homo saniens NADH-ubicuingne addareductase AGGG subunit precursor handog mRNA, nuclear gene	encoding mitochandrial protein, complete cds	Hamo septens rec (LOC51201), mRNA	Homo sepiens PDNP1 gene, exch 17	Homo sapiens major instocompatibility complex, class II, DM aprim (number) IIII very	Homo sepiens origin recognition complex, subunit 5 (yeast homotog)-line (ORCSL) mixtury, and biansamed products	Homo sapiens KIAA0255 gene product (KIAA0255), mRNA	Homo sepiens chromosome 21 segment HS210067	Homo saniens chronosome 21 segment HS21C080	RC3-ST0197-161099-012-a03 ST0197 Homo septems cDNA	Lown carlons without (PIS1) mRNA	Truin equal processor as a substant (PISA) mRNA	Truling agriculture procedure 1 (1977) mRNA	LICORERAY normalized infant brain cDNA Homo sapiens cDNA clone c-0ff07	
Top Hit Database Source	П	П	$\Box$	7	٦	HUMAN	Т	Т	Ī	$\Box$	П	T_HUMAN	NT	NT	EST_HUMAN	NT	N			MT	NT	NT	M	Ę	Į.	Z	5	EST HIMAN	-1.	Z	Z	N 1	ESI DOMAN
Top Hit Acessian No.		1	.1	-		8.1		2.0E-42 AID52588.1	E538919.1	81649	781649	2.0E-42 AW834834.1	2	67147.1	1.0E-42 AW 285809.1	1.0E-42 AJ261818.1	1.0E-42 AJ251818.1	4 OE 42 A GN87188 4	100	1.0E-42 AF067168.1	11423219 NT	1.0E-42 AF110298.1	5174458 NT	1N 825054	TN 7505807	4 NE 42 A1 483287 2		1.0E-42 AL103200.4	AW013017.1	38031ZZ N	IN 2215086	1 N 2C/20C4	1.0E-42 246120.1
Most Similar (Top) Hit BLASTE Value	2.0E-42 BF376834.	2.0E-42 AV690218.	2.0E-42	2.0E-42 A	2.0E-42 AW955368	20E-42 A	20E-42 M29145.1	2.0E-42	2.0E-42 BE538919.	2.0E-42 P81649	20E-42 P81649	2.0E-42	2.0E-42 AL163246	1.0E-42 X57147.1	1.0E-42	1.0E-42	1.0E-42/	10.42	1.00	1.0E-42	1.0E-42	1.0E-42	1.0E-42	4 OF 42	1 0 4 25	4 05 45	10.4	1.05-42	1.0E-12	1.0E-42	1.0E-42	1.0E-42	1.05-42
Expression	4.08	0.83	3.65	3.27	11.89	11.89	0.73	0.77	1.17	19:0	19.0	0.82	1.48	2.47	0.78	127	127	800	12.00	12.69	2.08	1.05	1.88	\$								5.31	
ORF SEQ ID NO:	27488	28433		28456	32124	32125	17828	33263	36612										27248		27725	L				2000							30830
SEQ ID	14512	15400	15429	15439	18940	18940	19894	<u> </u>	L	L.	<u> </u>	1_	L	L	<u>.</u>	<u>.</u>	<u>L</u>	<u> </u>	73867	15882	L	L.		L	L	\$0/01	1	$\perp$	_ [				18012
Page SEQ ID NO:	1479	2402	2422	2432	2880	5850	9839	8918	10201	10415	10415	10974	12045	735	1043	1103	1183		1247	1247	1741	2046	255		2/2	2/8	9	4274	4824	4776	4778	4813	4897

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Top Hit Descriptor	Homo sapiens chromodomain protein, Y chromosome-like (CDVL) mRNA	AV736824 CB Hamo septens cDNA clane CBLAKH08 5	AV736824 CB Hamo espiens cDNA clone CBLAKH08 5	Homo sepiens hypothetical protein FL120297 (FL120297), mRNA	Homo sepiens hypothetical protein FLJ20297 (FLJ20297), mRNA	Homo sapiens hypothetical protein FLJ20297 (FLJ20297), mRNA	1908e11.r1 Soares placenta Nb2HP Homo sepiens cDNA clone IMAGE:148172 6	2822251.5prime NIH_MGC_7 Hamo sepiens cDNA clane IMAGE:2822251 5	wp69b01.x1 NCI_CGAP_Bm25 Homo eaplens cDNA clone IMAGE:2466985 3' stmiler to TR:015475 015475 UNNAMED HERV-H PROTEIN ;contains LTR7.b1 LTR7 repetitive element ;	ne72d08.s1 NCI_CGAP_Ewr1 Homo sapiens cDNA clone IMAGE:909803 similer to gb1.05085 60S RIBOSOMAL PROTEIN L30 (HUMAN);	AV708201 ADC Homo sepiens cDNA clone ADCACC10 6	Homo sepiens ATP-binding cassetts, sub-family C (CFTR/MRP), member 3 (ABCC3), transcript variant	MRP38, mRNA	hd30b04.x1 Soares_NFL_T_GBC_S1 Homo capiens cDNA clone IMAGE:2910891 3' sindlat to contains MER1.t3 MER1 MER1 repetitive element;	#35606 J. Soares NihHMPu S1 Homo septems CDNA clone IMAGE:085410 5 similar to TR:0528941	G529841 DB1, COMPLETE CDS.; contains element PTR7 repetitive element;	DKFZp781L1712_r1 761 (synanym; hamy2) Hamo sapiens cDNA clane DKFZp761L1712 5	Homo sepiens chromosome 21 segment HS21C013	EST96033 Testis I Homo sepiens cDNA 5 and	AV732578 HTF Hamo capiens cDNA clane HTFANCO8 5	tw22e07.x1 NCI_CGAP_BIN52 Hamo septens aDNA clane IMAGE:22804623.	tw/22807 x1 NCI_CGAP_Bm52 Homo septens cDNA clone IMAGE:2280452 3	zv64e03.r1 Scenes_testis_NHT Hamo sepiens cONA clane IMAGE:757420 5	2054803,r1 Scenes (bstits_NHT Homo sepiens cDNA done IMAGE:75/420 6	yu48g12r1 Soares fetal liver spieen 1NFLS Homo sapiens CDNA clone IMAGE:228510 5	as33d08.r1 NCI_CGAP_GCB1 Hamo sepiens cDNA done IMAGE:815055 5	0052c10.x5 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1569810 3' similar to TR:P80591 P90591 PV44 GENF	DKFZp434D0119 r1 434 (synonym: Htes3) Homo septens cDNA clone DKFZp434D0119	MR2-SN0007-290400-004-c02 SN0007 Homo sapiens cDNA	Human mRNA for alpha-actinin
Top Hit Dafabase Source		EST_HUMAN	EST HUMAN				THUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN		Г		ST HUMAN	Т	EST_HUMAN	T_HUMAN	M	EST HUMAN	EST HUMAN						EST HUMAN	ECT HIMAN	EST HUMAN	EST_HUMAN	Į.
Top Hit Acession No.	4757989 NT	8.0E-43 AV736824.1	8.0E-43 AV736824.1	8923276 NT	8923276 NT	8923276 NT		7.0E-45 AW246442.1	1936748.1	6.0E-43 AA491890.1		Γ	9965973 NT	8 DE 48 AWAR897 1		6.0E-43 AA195154.1		5.0E-43 AL163213.2	5.0E-43 AA382780.1	5.0E-43 AV732578.1	5.0E-43 AI813509.1	5.0E-43 AI813509.1	5.0E-43 AA442271.1	5.0E-43 AA442271.1	174277.1	5.0E-43 AA465288.1	2 AT 10 AT 200 244 4	5.0E-43 AI 049110 1	5.0E-43 AW863007.1	(15804.1
Most Similar (Top) Hit BLAST E Velue	9.0E-43	8.0E-43 A	8.0E-43 A	8.0E-43	8.0E-43	8.0E-43	8.0E-43 H13852.1	7.0E-43 A	7.0E-43 A1936748.1	6.0E-43.A	6.0E-43.A		6.0E-43	A OF 48 A		6.0E-43	6.0E-43	5.0E-43	5.0E-43	5.0E-43	5.0E-43	5.0E-43	5.0E-43	5.0E-43	6.0E-43 H74277.1	5.0E-43	4 64 70 7	5.0E-43.4	5.0E-43	5.0E-43 X15804.1
Expression Signal	4.15	4.	14	4.8	4.8	4.8	0.78	7.28	3.41	14.15	284		2.18	8	1	231	2.08	1.8	3.96	1.63	1.15	0.65	0.7	0.7	0.69	4.22	000	45		
ORF SEQ ID NO:	38869		26642	28895	26898			29813					32759	2000	233	36622			28496	28840	33323	33323				36198		3778	١	11
SEQ ID	23368	13719	13719	13783	13783	13783	1	16698	<u> </u>		L	1	19509	1	L	23135	<u> </u>	L	13675	1			١.	L	<u>!</u> _	L		20051 20051 20051		23941
Probe SEQ ID	10446	88	8	Ř	ě	Ŕ	6783	3656	83	1347	2,68		448		3	10210	11437	4	8	2859	8838	7887	8228	8238	1238	9719			11115	11786

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Table 4
Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO:	Esch SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similer (Top) Hit BLAST E Velue	Top Hit Acession No.	Top Hit Detabase Source	Top Hit Descriptor
0239	19678	32856	96'0	20E-43	2.0E-43 BE222778.1	EST_HUMAN	hu53e08.x1 NCI_CGAP_Brn41 Homo sepiens cDNA clone IMAGE:3173750 3' similar to contains element. MER40 repetitive element;
7491	20456	33814	1.07	20E-48	2.0E-48 AW207390.1	EST_HUMAN	UHHBI1-aft-a-09-0-UI.s1 NCI_CGAP_Sub3 Hamo sapiens cDNA clone IMAGE:2721712 s'
8851	21619		9.34	2.0E-43	2.0E-43 U43701.1	NT	Human ribosomal protein L23a mRNA, complete cds
11532	24473		2.98	2.0E-43	2.0E-43 T03007.1	EST_HUMAN	FB1G5 Fetal brain, Stratagene Homo sapiens cDNA clone FB1G5 3'end similar to LINE-1
1657	14689	27684	4.13	1.0E-43	1.0E-43 AF154836.1	IN	Homo sepiens Res-like GTP-binding protein (RABZ7A) gene, exans 1b and 2
1657	14689		4.13	1.0E-43	1.0E-43 AF154838.1	NT	Homo sapiens Ras-like GTP-binding protein (RABZTA) gene, exons 1b and 2
1717	14747	SE112	2.13	1.0E-43	1.0E-43 AL163284.2	Į.	Homo sapiens chromosome 21 segment HS210084
2734	15728	28742	5.67	1.0E-43	1.0E-43 BF348283.1	EST_HUMAN	602022313F1 NCI_CQAP_Bm67 Homo sepiens cDNA clone IMAGE:4157686 5
5484			71.0	1.0E-43		Z	Homo sepiens pyruvate dehydrogenase kinasie, isoenzyme 3 (PDK3) mRNA
6764	19818		6.3	1.0E-43		NT	Homo sapiens Sp4 transcription factor (SP4) mRNA
8784	19818	33089	6.3	1.0E-43	4507168 NT	Z	Homo sapiens Sp4 transcription factor (SP4) mRNA
74.60	40004	24726	7 87	4 OF 42	4 OF 49 D40784 4	CCT LI MAN	Ny40eO1.r1 Soares Infant brain 1NIB Homo sapiens CDNA clone IMAGE:34732 5' similar to SPRITAS AND ISE PASSARE BRAIN DROTTEIN DAYS.
288	21233	34844	0.97	1.0E-43	1.0E-43 AF175265.1	NT	Homo sepiens vecuoler sorting protein 35 (VPS35) mRNA, complete cds
<b>8</b>	21370		3.15	1.0E-43	1.0E-43 AF188490.1	된	Homo sepiens 8q22.1 region and MTG8 (CBFA2T1) gene, partial cds
9189	22155	35584	30.83	1.0E-43	1.0E-43 AW963676.1	EST_HUMAN	EST375749 MAGE resequences, MAGH Homo saplens cDNA
10654	9292	37073	0.62	1.0E-43	1.0E-43 AW963229.1	EST_HUMAN	EST365299 MAGE resequences, MAGB Homo septems cDNA
11311	24261	37787	5.9	1.0E-43	1.0E-43 AI984961.1	EST_HUMAN	wr87h01.x1 NCI_CGAP_Kld11 Homo sapiens cDNA clone IMAGE:2494705 3'
11698	24658	38238	3.35	1.0E-43	11424378	NT	Homo sapiens calcium channel, voltage-depandent, alpha 1E subunit (CACNA1E), mRNA
1224	25074	7 = 3	2.8	1.0E-43	1.0E-43 AL137964.1	EST HUMAN	DKFZp781D1015_r1 781 (synanym: hamy2) Hama septens cDNA done DKFZp781D1015 5
12642		31808	224	1.0E-43	1.0E-43 AI675416.1	EST HUMAN	wb88b04.x1 NCI_CGAP_Pr28 Homo saplens cDNA clone IMAGE_2313775 3"
12745	25394	34757	2.8	9.0E-44	11418322	Ę	Homo sepiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA
88	13948		7.09	8.0E-44	8.0E-44 AI222985.1	EST_HUMAN	qh23g01.x1 Soares_NFL_T_GBC_S1 Hamo sepiens cDNA clane IMAGE:18455523'
88	13946		7.09	8.0E-44	8.0E-44 AI222985.1	EST HUMAN	qh23gO1.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:1845552 3'
8884	21850	35271	2.88	8.0E-44	8.0E-44 X94354.1	N	H.sapiens DNA for Cone cGMP-PDE gene
10702	23624	37.120	0.47	8.0E-44	11423497 NT	TN	Homo eaplens small proline-rich protein 2C (SPRR2C), mRNA
10702	23624	37121	0.47	8.0E-44	11423497 NT	NT	Homo septens small proline-rich protein 2C (SPRR2C), mRNA
11489	24442	37983	3.83	8.0E-44	8.0E-44 Y10498.2	NT	Homo sapiens mRNA for thymidine kinase, partial
11995	24872	38469	2.24	8.0E-44	120139	NT	Homo sapiens myosin mRNA, partial cds
12495	25237	31801	2.95	8.0E-44	11527389 NT	NT	Homo sapiens polymenase (RNA) II (DNA directed) polypeptide F (POLR2F), mRNA
12536		31698	1.53	8.0E-44	11418086 NT	NT	Homo sepiens putative nuclear protein (HRIHFB2122), mRNA
12870		31516	268	8.0E-44	114	NT	Homo sepiens protein kinase C, alpha binding protein (PRKCABP), mRNA
13029	25677	31688	1.58	8.0E-44	114	N	Homo sepiens putative nuclear protein (HRIHFB2122), mRNA

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	Top Hit Descriptor	ye89e01,r1 Soares fetal liver spleen 1NFLS Homo septens cDNA clone IMAGE:124920 5	Hamo sapiens LIM domain-containing preferred translocation partner in liporna (L**) missve	Homo sepiens minisatellite ms32 repeat region	Homo sapiens minisatellite ms32 repeat region	Home saplens chromosome 21 segment HS210384	Homo sepiens chramosome 21 unknown mRNA	Homo sapiens chromosome 21 unknown mRNA	Hame sapiens serine paimitty/ transferase, suburif ii gene, compress cus; and windown genes	AU159839 Y78AR1 Hamo septens auna aran 1 Para I vara  HSAAADEYU P, Human toatai Brain Whole tastae morno saprens outer	EST366120 MAGE resequences, MAGC Hamo septens CLMA	Home septens KIAAU861 gene (partial), XIS gene and LZI PLI gene	Homo septens KIAA0851 gene (partial), XT3 gene and LZTFL1 gene	h40d02.x1 NCI_CGAP_Em25 Homo sapiens CUNA done IMAGETZ1 (VUCS & Simma to Contains Critician)	OFF OFFICE AND INC.	AU1245/1 N124W4 name squars conv. dure in Lawrence, o	Homo septems chromosome zn segment nozirus	611d02x1 NCI CGAP Pant Home septens curve cone invalor 21301473	601508601F1 NIH MACC /7 Homb septens culture contention of the con	Human fibrillin (FBN1) locus polymorphism	RC3H10585-0104U-V23-0108 H10565 Inditio septems canda	Hano sapiens carbacy terminal Lim domain (CLIM I) min'n', cui processione	Homo sapiens karyotherin alpha o (importin alpha // (infritato), illingto	601491529FT NIP INICO OF FEMALE SQUARES GUITA GUITA INVASCE SAOTT F	2018005.11 Strategene tetal retina 837.202 rigino sapients curva cigne invascuore i s	EST42299 Endometrial tumor Homo sapiens cDNA 5' end similar to similar to alpha-1-antiproteinase F	601510547F1 NIH MGC 71 Hamo sepiens cDNA clone MAGE:3912010.5	Sus scrofa domestica submaditary apomuch mRNA, complete cds	Homo sepiens DEADH (Asp-Git-Ala-AspHis) box polypeptide 1 (DDX1) IIITNA	Homo sepiens DEADH (Asp-Glu-Ala-Asp/His) box polypeptide 1 (DUA1) mark	Homo sapiens transmembrane trafficking protein (1 Mr.21), mr.3.4	Homo sepiens transmembrane transcend protein (1MPZ1), microx	Hamp septens rando (radoo) miray, campres as	
	Top Hitt Database Source	EST_HUMAN	F	NT	NT	7	NT	乞	5	EST_HUMAN	EST_HUMAN	EST_HUMAN	F	NT		EST_HUMAN	EST HUMAN	F	EST HUMAN	EST_HUMAN	Ę	EST HUMAN	Ę	F	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	N	NT	NT	N <sub>T</sub>	Z	N.
	Tap Hit Acessian No.	106035.1	5031886 NT	7.0E-44 AF048729.1	7.0E-44 AF048729.1	7.0E-44 AL163284.2	7.0E-44 AF231919.1	7.0E-44 AF231919.1	7.0E-44 AF111168.2	7.0E-44 AU159839.1	220946.1	6.0E-44 AW854050.1	5.0E-44 AJ289880.1	5.0E-44 AJ289880.1		5.0E-44 AI568523.1	5.0E-44 AU124571.1	4.0E-44 AL163303.2	4.0E-44 A1435225.1	4.0E-44 BE883178.1	21948.1	4.0E-44 BE178618.1	4.0E-44 US0878.1	6912477 NT	3.0E-44 BE880626.1	3.0E-44 AA169851.1	3.0E-44 AA337234.1	3.0E-44 BE884820.1	3.0E-44 AF005273.1	4826685	4826685 NT	5803200	5803200	2.0E-44 AF133588.1
-	Most Similer (Top) Hit BLAST E Value	7.0E-44 R06035.1	7.0E-44	7.0E-44	7.0E-44	7.0E-44	7.0E-44	7.0E-44	7.0E-44	7.0E-44	6.0E.44	6.0E-44	5.0E-44	5.0E-44		5.0E-44/	5.0E-44	4.0E-44	4.0E-44	4.0E-44	4.0E-44   21948.1	4.0E-44	4.0E-44	- 3.0E-44	3.0E-44	3.0E-44	3.0E-44	3.0E-44	3.0E-44	20E-44	20E-44	2.0E-44	2.0E-44	20E-44
	Expression Signal	0.87	96.0	268	2.68	2.55	1.07	1.07	4.5	5.87	0.65	1.83	3.9	288		3.85	2.65	32	1.02	0.08	0.64	0.49	8.23	0.95	0.85	6.12	1.71	0.55	0.68	1.04	1.04			5.49
	ORF SEQ ID NO:		28283	28957	28958	29824	30177	30178	31055	34908	32531	38536				34598		28382		34035	34998		38085			20081	20858		L			L		27318
	Exan SEO ID NO:	13728	15257	16035	16035	16915	17200	17289	18177	2464	19297	24943	13307	13421		21189	227.67	16473	18062		L	L	1	L	15539	16171	16045	L	L	<u>.</u>	_	L	l _	14350
	Probe SEO ID NO:	88	2243	2000	2877	3876	4270	4270	5168	8528	823	12070	333	332		8228	9739	3425	9505	7711	8814	08Z8	11669	1801	2537	3114	3005	8074	7288	105	105	1212	1212	1315

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Single Exon Probes Expressed in Bone Marrow

2818 24600 446	14404 273 15177 281 16530 29- 16530 29- 20605 335 20605 335 21738 35- 21738	27374 1.05 28198 2.57 29455 1.16 39514 1.63 31256 1.73 31256 1.73 35971 3.8 35971 3.8 35971 1.83 26084 1.63 26085 7.76 26085 7.76 26085 7.76 26087 1.85 26271 4.49 26271 4.49	3>	No.  No.  AFO70651.1  AFO70651.1  AFO70651.1  AW864379.1  11446901  11446901  11446901  11446901  1146901  TD6370  BE38068.1  AR26883  AR26883  AR36833  AR484554.1  AA434554.1  AA434554.1  AA434554.1  AA434554.1  AA434554.1  AA434554.1	HUMAN HUMAN HUMAN HUMAN HUMAN	In the Hard Agobert N.C. CGAP_Lu24 Homo septens cDNA clone IMAGE-\$182888 3' straigs to SW.CXYB_HUMANN Probable of SAME AND AND AND AND AND AND AND AND AND AND
Ш		8			T HUMAN	ea01c08.s1 Source_NhHMPu_S1 Homo sepiens cDNA clone IMAGE:811984 3
L.	L	31043 0.64		1	NT	Homo sapiens alpha satelitie DNA, M1 monomer type
1					H.	Homo serviens altoha sanellita DNA. M1 monomer two
L	L	240AA			N N	iono sapiens alpha satellite DNA, M1 monomer type

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Most Similar   Top Hit Acession   Top Hit Signal   Bu AST E   No. Source   Value	1.17 1.0E-44 AW987073.1 EST_HUMAN	34902 1.17 1.0E-44 AW 967073.1 EST HUMAN EST378147 MAGE resequences, MAGJ Homo septens cDNA	35385 1.23 1.0E-44/Al.163209.2 IVT Homo septens chromosome 21 segment HSZI 0009	HUMAN	EST_HUMAN	2884 NT	2.7 1.0E-44 AW846967.1 EST HUMAN	2.7 1.0E-44 AW846867.1 EST_HUMAN		30523 1.16 9.0E-45 8922391 NT (Homo sepiens hypothetical protein FL.)10378 (FL.)10379), mRNA	1.52 9.0E-45 AB023212.1 NT	1.57 8.0E-45 6174718NT	8.68 8.0E-45 5174718 NT	8.0E-45 AA377885.1 EST_HUMAN	0.96 7.0E-45 AL 160131.1 NT		1) 6.0E-45[Al975425.1   EST_HUMAN   reportible element;	a.83h07.xt Schreider fetal brain 00004 Homo sapiens cDNA clores IMAGE-2782309 3' smiler to SW:R13A HUMAN P40429 60S RIBOSOMAL PROTEIN L13A;	6.0E-45 11418213 NT	5.0E-45 AL163203.2 NT	6.0E-45 BF333827.1 EST_HUMAN	9		31654 8.41 5.0E-45 AA391781.1   EST_HUMAN   TAR1 repetitive element;	1.48 5.0E-45 V18933.1 NT	1.48 5.0E-45 Y18933.1 NT	0.84 5.0E-45 AB022318.1 INT	0.84 5.0E-45 AB022318.1 NT	1.07 5.0E-45 11496268 NT	1.07 6.0E-45 11498268 NT	. 0.66 5.0E-45 11418704 NT	35792 1.29 5.0E-45 4759223 NT Homo sapiens prognammed cell death 5 (PDCD5), mRNA
					1274												1	87%	1.8	1.56						į						
ORF SEQ ID NO:	3499				4		38388	38389			33147	28663		L			90	<u> </u>	2 60	90							L			L		
Esan SEQ (D NO:	3 21578	3 21576	<u> </u>	L	24304			7 24798	17630	17630	<u> </u>	L		L	1	<u> </u>	14588	47040	L		L	l	L	18686	L			1_	1_	1	1	8 22361
Probe SEO ID NO:	8088	8098	8883	<b>888</b>	11354	11858	11917	11917	4609	4609	9089	2629	5119	8444	2862		1556	***************************************	17836	8	2018	3333		6590	6135	6136	9183	6183	6313	6313	88	8396

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	Top Hit Descriptor	Homo sapiens golgin-like protein (GLP), mPNA	H.saplens ART4 gene	601104440F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3538425 5	Homo sapiens TRAF femily member-associated NPKB activator (TANK) mRNA	nc28e07.s1 NCI_CSAP_Pr1 Homo sepiens cDNA clone IMAGE:1009284 similar to conteins element L1 repetitive element;	Homo sepiens chromosome 12 open reading frame 3 (C12ORF3), mRNA	yd36f07.r1 Soares fetal Ilver spleen 1NFLS Homo sepiens cDNA clone IMAGE:110245 5	Mus musculus dynein, exxn, heavy chain 11 (Drahc11), mRNA	Mus musculus dynein, excn, heavy chain 11 (Drahc11), mRNA	AV723978 HTB Hamo sepiens cDNA clane HTBAAG01 5	Homo sapiens golgi autoentigen, golgin subfamily a, 2 (GOLGA2) mRNA	Hamo sapiens chranosame 21 segment HS21C027	Hama sepiens chramosame 21 segment HS21C027	H.sapiens DNA for endogenous retroviral like element	Homo sapiens chromosome 21 segment HS210018	Homo sapiens partial 5-HT4 receptor gene, exons 2 to 5	Human eosinophil Charcot-Layden crystal (CLC) protein (fysophospholipase) gene, promoter and exxn 1	601467783F1 NIH_MGC_67 Hamo septems cDNA clane IMAGE:3870838 67	RC0-L10001-150200-032-d11 LT0001 Homo saplens cDNA	MR0-HT0923-160800-201-602 HT0623 Homo sepiens cDNA	8887712.71 Strategore fetal refine 837202 Homo sapiens cDNA clone IMAGE:838319 5 struitar to	MACHINA CHINA COLLINO	WATSARS of NCI OCAP Owto Home series a DNA class IMAGE: 7745888 3	Union contone colotium channel without devendent ainha 11 surfamili (CACNA1). mRNA	ANY SALSANET NIH LATE 44 Home series cDNA close IMAGE: 2005/83 5	WILLIAM THE TWO THE TW	801284360F1 NIH MGC 44 Hamo septens adara gana makematan b	Homo sapiens RAP1A, member of RAS oncogene family (RAP1A), mRNA	Homo sapiens Langerhans cell specific c-type lectin (LANGERIN), mRNA	Human pro-e2 chain of collagen type XI (COL-11A2) gene, complete cots	Homo sepiens chromosome 21 open reading frame 1 (C21off4), mRNA	601289116F1 NIH_MGC_8 Homo sapiens CDNA clone IMACE:3619803 5
1000	Top Hit Database Source	MT	NT	EST HUMAN	NT	EST HUMAN	¥	EST HUMAN	¥	MT	EST_HUMAN	M	LN L	μ	K	F	FN	NT	EST HUMAN	EST_HUMAN	EST_HUMAN		EST HIMAN	EST LE IMAN	TO TOTAL	EOT LEIMAN	NAME OF THE PERSON	EST_HUMAN	Ę	Į.	Ę	NT	EST_HUMAN
	Top Hit Acession No.	8923898 NT		4.0E-45 BE285822.1	4759249 NT	4 0E-46 AA228220.1	35947	1	6763651 NT	6753651 NT	AV723976.1	4768451 NT	3.0E-45 AL163227.2	3.0E-45 AL163227.2	(89211.1	2.0E-45 AL183218.2	2.0E-45 A.1243213.1		2.0E-45 BE782184.1	2.0E-45 AW834834.1	2.0E-45 BE834350.1		2.0E-45 AA408/70.1	COE AS AMOTODO 4	4440457	Z.UE-HO V. VE AF DESCORE 4	C.308633.1	1.0E-45 BE389855.1	· 4508412 NT	7857290 NT	U32169.1	1.0E-45 8659558 NT	3E396833.1
	Most Similar (Top) Hit BLAST E Value	5.0E-45	4.0E-45 X95826.1	4.0E-45	4.0E-45	4.05-46/	4.0E-45	3.0E-45 T71480.1	3.0E-46	3.0E-45	3.0E-45	3.0E-46	3.0E-45/	3.0E-45	3.0E-45 X89211.1	2.0E-45	2.0E-45	2.0E-45 L01685.1	2.0E-45	20E-45/	2.0E-45		2.05-43/	2.05	702-40	2007	1,05-43	1.0E-45	1.0E-45	1.0E-46	1.0E-45	1.0E-45	1.0E-45
	Expression Signal	23	10.78	1.91	0.72	080	4.	68'0	1.13	1.13	1.53	3.82	10.98	10.98	4.13	1.86	1.8	6.17	1.25	1.08	25.96		S. S.	jo:	10.1	OF C	\$	2.09	1,00	194	7.12	0.84	4.08
	ORF SEQ ID NO:	38476					31418		32876	32677		35535	37087				29016	33004			37639			88700					26474	27175			30413
	SEQ ID NO:	24880	<u> </u>	L		27778	L	1.	19433	1	1	22109	23592	23592	25888	L.	L	19728	<u> </u>	1_	L		24462	24/13	_1	$\perp$	_ }	13482	13545				17528
	Probe SEQ ID NO:	12003	148	2289	4635	8	12167	4115	88	838	8794	9143	10670	10870	12854	2811	3045	1,799	88	8768	42124		11611	7307	1882	1200	124	408	473	1178	3120	3503	4503

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Table 4
Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	yn05b02,r1 Soares fetal liver spieen 1NFLS Homo sepiens cDNA clone IMAGE:204363 6	Homo sepiens perodsomal blogenests factor 14 (PEX14), mRNA	Homo sepiens peroxisomal biogenesis factor 14 (PEX14), mRNA	Homo septens DNA for amyloid precursor protein, complete ods	11511228F1 NIH_MGC_71 Homo sepiens cDNA done IMAGE:3912535 5	Human mRNA for KIAA0289 gene, partial cds	Homo septens protein kinase C, alpha binding protein (PRKCABP), mRNA	Homo sepiens hypothetical protein FLJ20454 (FLJ20454), mRNA	Homo sepiens Ran GTPase activating protein 1 (RANGAP1), mRNA	Homo sapiens calcium channel, voltage-dependent, alpha 11 subunit (CACNA1), mRNA	Mus musculus keratin complex 2, gene 6g (Krt2-6g), mRNA	Homo sapiens chromosome 21 segment HS21C009	2822449, Sprime NIH_MGC_7 Homo septens aDNA clane IMAGE:2822449 67	#32/88_X1 NCI_CGAP_Gas4 Home sepiens cDNA clone IMAGE:2132189 3' similar to gb;;100314_ma2 prins in perta 4 CAAM (unitable):	JEOLIN BELA-1 CHAIN (HOMAN),	632706.x1 NCI_CGAP_Gas4 Home sapiens cuna done matcifizates si emiter to goznosa 14_m2. TUBULIN BETA-1 CHAIN (HUMAN);	RC5-HT0506-280200-012-C12 HT0506 Hamo septems cDNA	Rattus norvegicus espin mRNA, complete cds	601277292F1 NIH_MGC_20 Homo septems cDNA done IMAGE:3618119 5	RC4-BT0310-110300-015-f10 BT0310 Hamo saplens cDNA	Homo sapiens hypothetical protein FLJ10847 (FLJ10847), mRNA	601822835F1 NIH MGC_77 Hamo septiens cDNA clane IMAGE:4042738 5	wm31f08.x1 NCI_CGAP_Ut4 Homo sepiens cDNA ctone IMAGE:2437575 3' struiter to contains MER18.t2 MER19 repetitive element ;	wm31f08.x1 NCI_CGAP_Ut4 Homo sapiens cDNA clone IMAGE:2437575 3' similar to contains MER19.t2	MER19 repositive element;	1858h10 x1 NCL_CGAP_Kid8 Homo sapiens cDNA clone IMAGE:2232835 3' similar to TR:O60363 O60363 SA CENE:	WASSOLVER, A CARD 11H Hump serviews a DNA clone INAGE-2708854 3' similar to ab: 108069 DNAJ	PROTEIN HOMOLOG 2 (HUMAN);	UI-H-BI4-epg-b-06-0-UI.sr1 NCI_CGAP_Sub8 Hamo sapiens cDNA clane IMAGE:308/2983	Homo sepiens chromosome 21 segment HS21C010	7481g01.x1 Lupsid_dorsal_root_ganglion Homo sapiens dDNA done IMAGE:32/9406 3
-	Top Hit Database Source	T_HUMAN				EST_HUMAN							N F	EST_HUMAN		EST_HUMAN	EST HUMAN		Г	EST_HUMAN	T_HUMAN		T_HUMAN	EST HUMAN	Т	EST_HUMAN	FOT LIMAN	Т	EST_HUMAN	T HUMAN		EST_HUMAN
	Top Hit Acession No.		11422236 NT	11422236 NT		7.		11418099 NT	11528291 NT	11418177 NT	11418157 NT	0283		9.0E-46 AW246964.1		8.0E-46 Al433261.1	8.0F-46 A1433261.1	-		12		TN 8922708	7.0E-46 BF105845.1	6.0E-46 AI884381.1		6.0E-46 AI884381.1	1005440 4	6.0E-40(Al635446.1	6.0E-48 AW513244.1		5.0E-46 AL163210.2	3E677194.1
	Most Similar (Top) Hit BLAST E Value	1.0E-45 H57443.1	1.0E-45	1.0E-45	1.0E-45 D87675.1	1.0E-45	1.0E-45	1.0E-45	1.05-45	1.0E-45	1.0E-45	9.0E-46	9.0E-46	9.0E-46		8.0E-46	8.0F.46/	8.0E-46	7.0E-46 U46007.1	7.0E-48	7.0E-46	7.0E-46	7.0E-46	6.0E-46/		8.0E-46		1	6.0E-48	6.0E-46	5.0E-46	5.0E-46
	Expression Signal	1.01	0.57	0.57	0.85	4.82	1.83	9.31	9.31	6.48	3.98	1.88	7.02	80.6		1123	41.23	6.79	1.17	3.58	1.14	3.92	1.95	5.63		5.63	3, 6,	10.15	0.78	0.51		1.01
	ORF'SEQ ID NO:		34746			35880	36287				31715	34858		37284	]_	28474	92786		28289			32488				28770		32200	33743			28608
	SEQ ID	11111	21334	21334	1	1	1	25155	25274	25277	25532	21638	21947	23765		15453	15459	21358	L	1_	1_	L	<u> </u>	<u> </u>	1	15757	l	18823	20383	L		Ш
	Probe SEQ ID NO:	4757	8365	8366	8954	82	8886	12360	12551	12556	12962	8570	888	10845		2448	2448	8888	2748	4814	4845	9160	8842	7768		2785		8232	7426	200	205	3639

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	Top Hit Descriptor	7481g01.x1 Lupski_dorsal_root_ganglion Homo sapiens cDNA clone IMAGE:3279408 3'	nas38f07.x1 NG_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:3258757 3' strillar to TR:075202 075202 HOMOLOG OF RAT KIDNEY-SPECIFIC;	602021164F1 NCI_CGAP_Bm67 Homo sepiens cDNA clone IMAGE:4156670 5	QV4-ST02/12-120100-075-09 ST02/12 Homo sapiens cDNA	7b38b06x1 NCI_CGAP_Lu24 Homo sepiens aDNA dane IMAGE:3230481 3*	no54e09.s1 NCI_CCAP_SS1 Home sapiens cDNA clone IMAGE:1104520 3' similar to dicX53741_me1 FIBUIN-1, ISOFORM A PRECURSOR (HUMAN);	h86c03x1 NCL_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3008836 3' similar to gb:X14008_ma1 LYSOZYME C PRECURSOR (HUMAN);contains element MER37 repolitive element ;	h88603.x1 NC_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3008836 3' similar to gb:X14008_ma1 1YSOZYME C PRECURSOR (HUMAN)contains element MER37 repetitive element;	Human endogenous retrovirus RTVL-H2	Homo sepiens mRNA for KIAA0622 protein, pertial cds	Homo sapiens mRNA for KIAA0622 protein, partial cds	ho42a07.x1 Sogres_NFL_T_GBC_S1 Hamo septens cDNA clane IMAGE:3040020 3'	ho42a07.x1 Scenes_NFL_T_GBC_S1 Hamo sapiens cDNA clone IMAGE:3040020 3'	Human ig gammine gamma-3 heavy-chain gene V region, partial cds	Human lg germine gamma-3 heavy-chain gene V region, partial cds	Homo sepiens DNA for Human P2XM, complete cds	Homo sapiens mitogen-ectivated protein kinase kinase kinase kinase 3 (MAP4K3), mRNA	H.sapiens ig lambda light chain variable region gene (7c.11.2) germline; ig-Light-Lambda; V.Lambda	H.sapiens ig lambda light chain variable region gane (7c.11.2) germline; ig-Light-Lambda; VLambda	wy49c04x1 NCI_CGAP_Lu19 Homo sepiens cDNA clone IMAGE:2408150 3' similar to contains THR.b2 THR repetitive element;	Human AD amyloid mRNA, complete cds	Human AD amyloid mRNA, complete cds	Human mRNA for KIAA0061 gene, partial cds	ne06a09.s1 NCI_CGAP_Co3 Homo sapiens cDNA clone IMAGE:880408 3' similar to contains THR.b2 THR repetitive element;
	Top Hit Database Source	EST_HUMAN	EST HUMAN	T	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HIMAN				EST_HUMAN	EST_HUMAN	NT	된	M		NT	¥	EST HUMAN	Į.	Ę	TA.	EST_HUMAN
,	Top Hit Acession No.	5.0E-46 BE677194.1			-			4.0E-48 AW770544.1	4 05 48 AW770544 4		ļ			4.0E-46 BE044260.1	4.0E-46 M36852.1		4.0E-46 AB002059.1	4506376 NT			,				2.0E-46 AA468648.1
2011	(Top) Hit BLAST E Vetue	5.0E-46	5.0E-46	5.0E-46	5.0E-46	5.0E-46	4.0E-46	4.0E-48	405.48	4.0E-46	A DF AR	4.0E-48	4.0E-46	4.0E-46	4.0E-46	4.0E-46	4.0E-48	3.0E-46	3.0E-46 Z73860.1	3.0E-46 Z73660.1	3.0E-46	3.0E-46 L08850.1	3.0E-46 L08850.1	3.0E-46	2.0E-46
	Expression Signal	5:	184	3.97	0.67	0.56	2.88	7.84	7	328	C RO	0.95	0.78	0.78	2.11	211	2.51	1.21	284	284	10	0.59	0.69	2.01	10.84
	ORF SEQ ID NO:	29509				33938		27728	02220				L				31737	30339	30722	30723					
	SEQ ID	16685	19051	20104	20273	20574	13708	14746	47278		ı	17473	18203	18203	18811	18611	25422	17448	17828	17826	22068	22323	22323	24778	Li
	Probe SEQ ID NO:	3539	8	7.28	2027	7614	642	1715	7.67	77.40	7777	447	5194	5194	6511	5511	12782	4421	4809	4809	9102	8358	8358	11898	838

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Top Hit Descriptor	227e11.s1 Scares_fetal_liver_splean_1NFLS_S1 Hamo seplans cDNA clane IMAGE:431886 3	Homo sepiens Bruton's tyrosine kinase (BTK), alpha-D-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds	ZESSE02.F1 Sogres_bests_NHT Homo sepiens cDNA clone IMAGE:726850 6' strittar to SW:RSP1_MOUSE   Dout 730 RSP1-PROTEIN.:	Mus muscutus sperm tal associated protein (Stap), mRNA	601445137F1 NIH MGC 66 Homo sapiens cDNA done IMAGE:3846297 5	Homo sepiens small acidic protein (IMAGE145052), mRNA	xq78h03.x1 NCI_CGAP_Lu34 Homo septens cDNA clone IMAGE:2756789 3'	Homo sepiens cell division cycle 10 (homotogous to CDC10 of S. cerevisiae) (CDC10) mRNA	EST390625 MAGE resequences, MAGP Homo sapions cDNA	EST48b095 WATM1 Homo saplens cDNA clone 48b095	np78x02.s1 NCI_CGAP_P72 Homo sepiens cDNA clone IMAGE:1132385 similar to gbtX78717 H.sepiens	MI-11 mKNA (HOMAN)	Homo sapiens mRNA for KJAA0980 protein, partial cos	7692501 x1 NCI_CGAP_OV18 Hamo septens cDNA clane IMAGE:3643705 3	Homo sepiens centeurin-elphe 2 protein (HSA272195), mRNA	Homo sepiens centaurth-eigha 2 protein (HSA272195), mRNA	7r48e07.x1 NC_CGAP_Lu24 Homo septens cDNA done IMAGE:3567852 3' similar to contains element. MER22 repetitive element ;	769Zb01 x1 NCI_CGAP_Ov18 Hamo sapiens cDNA clane IMAGE:3843705 3'	602072284F1 NCI_CGAP_Brn57 Homo sapiens cDNA ctone IMAGE:4215398 5	602072284F1 NCI_CCAP_Bm67 Homo septens cDNA clone IMAGE:4215398 5	AV716377 DCB Hamo septens cDNA clare DCBAIE03 6	Homo sapiens Xq pseudoautosomal region; segment 1/2	higaega xf NCI_CCAP_LLiz4 Home sepiens cDNA done IMAGE:3009634 3' similar to TR:075703 075703 Hypothemical 42 4 kb PROTEIN :	Home carians sinc finan problem 7NF288 (7NF288) mRNA		Homo explene SEC14 (S. cerewisiae) Like Z (SEC14LZ), micha	Homo sepiens HLA-C gene, exon 5, individual 18323	Homo sepiens HLA-C gene, excn 5, Indikldual 19323	Hamo sapiens protein phosphetase 2, regulatory subunit B (B56), epsilon isoform (PPPZRGE) mRNA	Homo sepiens 859 kb contig between AMI.1 and CBR1 on chromosome 21q22, segment 3/3
Top Hit Databese Source	EST_HUMAN Z	¥ 5	EST MIMAN		T HIJMAN		T HUMAN		T_HUMAN	EST HUMAN		T HUMAN		EST_HUMAN 7			EST HUMAN	EST_HUMAN 7	EST HUMAN	EST_HUMAN	EST_HUMAN /	NT		NAMOL -			Į.	- LN		IN.
Top Hit Acesston No.	2.0E-46 AA678246.1		,	0830	3	57733	AW277214.1	4502094 NT	1.0E-46 AW978516.1				1.0E-46 AB023197.1	1.0E-46 BF194707.1	B923762 NT	8923762 NT	1.0E-46 BF196247.1	1.0E-48 BF194707.1	1.0E-46 BF531102.1	1.0E-46 BF531102.1	1.0E-46 AV715377.1	9.0E-47 AJZ71735.1		9.0E-4/ AW / 0828.1	IN BEACSALL	11417968 NT	8.0E-47 Y18538.1	8.0E-47 Y18536.1	5453955 NT	8.0E-47 AJ228043.1
Most Similar (Top) Hit BLAST E Vatue	2.0E-46	2.0E-46 U78027.1	200	200	2 OF 46	2.0E-48			1.0E-46	1.0E-48		1.0E-46	1.0E-48	1.0E-46	1.0E-46	1.0E-46	1.0E-46	1.05-48	1.05-46	1.0E-46	1.0E-46	9.0E-47		9.05-47	9.05-47	4 <del>-30.6</del>			8.0E-47	Ш
Expression Signal	2.13	443	8	3.5	8.7	5 6	325	80.0	3.28	2.9		1.32	2.83	7.06	5.57	6.67	0.65	3.61	1.62	1.52	4.54	3.24		3.91	1.68	2.25	47.72	47.72	1.17	2.12
ORF SEQ ID NO:		27862	<u>.</u>	01606		†	31619	27233				28238		32058			33102			L					32832	31432			28739	Ш
SEQ ID	14597	1		┸	70007			14273	15302		1_	16316	17925	L.	L	_		Ł	25124	1_	L	L			18577				15722	IJ
Probe SEQ ID NO:	1564	1647		2 2	87.7	44578	12857	1237	2280	2400	Sat	3282	4908	2878	6809	6809	6776	41214	12322	12322	13068	787		4068	6513	12816	1825	1825	2728	3036

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| Note   Sept   |---|
| 중으  |

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Top Hit Descriptor	wq86b02.xf NC  CGAP GC8 Hamo sepiens cDNA clane IMAGE:24798513"	Homo sapiens KIAA0426 gene product (KIAA0426), mRNA	ng43h12.s1 NCI_CGAP_Cc3 Homo seplens cDNA clone IMAGE:937607 3'	Homo saplens ring finger protein (C3HC4 type) 8 (RNF8), mRNA	m23g07.s1 NCI_CGAP_Pr1 Hamo sapiens cDNA clane IMAGE:914652	m23g07.s1 NCI_CGAP_Pr1 Homo saplens cDNA clone IMAGE:914652	Homo saplens ReviRex activation domain binding protein-related (RAB-R) mRNA	EST377239 MAGE resequences, MAGI Homo sapiens cDNA	ov61h03.x1 Soares_testis_NHT Hamo sapiens cDNA clone IMAGE:1641845.3"	Homo sapiens regulator of G-protein signaling 6 variant form (RGS8) mRNA, complete cds	601463932F1 NIH_MGC_67 Hamo septems cDNA clane IMAGE:3867487 57	601463932F1 NIH_MGC_67 Hamo septems cDNA clane IMAGE;3867487 67	Homo saplens 5-hydroxytryptamine 1D receptor pseudogene with an Alu repeat Insertion	Homo saplens DNA for amyloid precursor protein, complete cds	Homo sapiens DNA for amyloid precursor protein, complete cds	Homo saplens SPH-binding factor mRNA, partial ods	Homo sapiens BTG family, member 3 (BTG3), mRNA	Human tyrosine kinase receptor (ad) mRNA, complete cds	y/92e08.s1 Soares infant brain 1NIB Homo sepiens cDNA clone IMAGE:29966 3' similar to contains OFR	repetitive element;	qpsGh03.x1 Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone IMAGE:1831189 3'	601155321F1 NIH_MGC_21 Hamp sapiens aDNA dane IMAGE;3138883 5	601155321F1 NIH_MGC_21 Hamo sapiens aDNA dane IMAGE:3138883 5	RC3-ST0197-130400-017-h02 ST0197 Homo sapiens cDNA	at19e08.x1 Barstead acrta HPLRB8 Homo espiens cDNA clone IMAGE:2355586 3' similar to gb:M22995 RAS-RELATED PROTEIN RAP-1A (HUMAN);	hi84a11.x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2978972.3" similiar to gb:M28328	KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	Papio hamadryas alcohol dehydrogenase class I (ADH) gene, 5 region	Homo sapiens calcium channel alphat E subunit (CACNA1E) gene, exons 7-49, and partial cds, afternatively	payids	CM2-MT0100-310700-280-f05 MT0100 Hamo sepiens cDNA	601511714F1 NIH_MGC_71 Hamp sepiens aDNA dane IMAGE:3913106 5	601511714F1 NIH_MGC_71 Hamo septens cDNA clane IMAGE:3913106 5
Top Hit Database Source	EST HUMAN	¥	EST_HUMAN	K	EST_HUMAN	EST_HUMAN	λŢ	EST HUMAN	EST_HUMAN	¥	EST_HUMAN	EST_HUMAN	NT	NT.	NT.	NT	NT	K		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN		EST_HUMAN	NT		LN L	EST HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	2.0E-47 Al969279.1	62109	AA524514.1	4504888 NT		2.0E-47 AA569592.1	74648	2.0E-47 AW985168.1	2.0E-47 Al041128.1	2.0E-47 AP073921.1	1	2.0E-47 BE778475.1				1.1	11526136 NT	2.0E-47 M76125.1		342423.1	1.0E-47 AISSS420.1	1.0E-47 BE280477.1		1.0E-47 AW813908.1	1.0E-47 Al880898.1		1.0E-47 AW684848.1					-	9.0E-48 BE888196.1
Most Similar (Top) Hit BLAST E Vætue	20E-47	2.0E-47		2.0E-47	2.0E-47	2.0E-47	2.0E-47	2.0E-47	2.0E-47	2.0E-47	2.0E-47	2.0E-47	2.0E-47 L09731.1	2.0E-47 D87675.1	2.0E-47 D87675.1	2.05-47	2.0E-47	2.0E-47		2.0E-47 R42423.1	1.0E-47	1.0E-47	1.0E-47	1.0E-47	1.05-47		1.05-47	1.0E-47 L30115.1		9.0E-48	9.0E-48	9.0E-48	9.0E-48
Expression Signal	1.08	22	3.87	1.82	1.48	1.48	1.68	122	7.0	122	128	1.28	1.43	1.76	1.76	1.73	0.78	2.31		2.12	6.91	1.18	1.18	2.55	9		0.77	2.41		3.85	0.7	0.84	0.84
ORF SEQ ID NO:		27604	27698		30327	30328	30445	30760		32160	32380	32381		34877	34678	35457	36235	37478		31415	27405	29776	29777	30897	33276			37136					32036
Exer SEQ ID NO:	14603	14620	14718		17439	17439	17557	17867	18196	18969	19168	19168	25692	21266	21266	22034	22781	23955		25886	14437	10875	16875	18122	18979	L	22186	23643					18855
Probe SEQ ID NO:	1570	1697	1687	4374	4411	4411	4534	4850	2187	2880	8809	8088	7884	7828	2597	8908	9845	11800		12358	1404	3835	3835	5112	7244		8220	10721		1616	3569	5763	5763

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						ZVII FIOUS	igie Exori Probes Expressed in Bone Marrow
Probe SEQ ID NO:	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Deterbese Source	Top Hit Descriptor
6220	19294	32528	9.0	9.0E-48	9.0E-48 Al833168.1	EST_HUMAN	at/5h09.x1 Barstead colon HPLRB7 Homo sapiens cDNA clone IMAGE:2377889 3' similar to TR:060844 O66844 HOMOLOG OF RAT ZYMOGEN GRANULE MEMBRANE PROTEIN.;
6851	19420		67.0	9.0E-48	9.0E-48 AU123240.1	EST_HUMAN	AU123240 NT2RM1 Homo sapiens cDNA clone NT2RM1000978 5
11452	24395	37940	249		9.0E-48 BE393813.1	EST_HUMAN	601310479F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3632083 5
1255	14291		1.5	8.0E-48	4501900 NT	אַנ	Hamo sapiens eminoacylese 1 (ACY1), mRNA
1256	14291		1.54	8.0E-48	4501900 NT	M	Homo sapiens aminoacylase 1 (ACY1), mRNA
3162	16209	22162	3.31	8.0E-48	8.0E-48 AW768477.1	EST_HUMAN	hk61b03.x1 NCI_CGAP_Lym12 Homo septens cDNA clone IMAGE:3001133 3' similiar to gb:X64707 BREAST BASIC CONSERVED PROTEIN 1 (HUMAN);
3162	16209	29124	3.31	8.0E-48	8.0E-48 AW 768477.1	EST HUMAN	hid1b03.x1 NCI_CGAP_Lym12 Homo septens dDNA done IMAGE.3001133 S' similar to gb:X64707 BREAST BASIC CONSERVED PROTEIN 1 (HUMAN);
4	13564		1.54	7.0E-48	7.0E-48 AB033035.1	Ę	Homo sepiens mRNA for KIAA1209 protein, pertial cds
492	13564		22.81	7.0E-48		Z	Homo sepiens mRNA for KIAA1209 protein, pertial cds
1496	14529	27501	1.04	7.0E-48		F	Homo sapiens tousled-like kinase 1 (TLK1), mRNA
1643	14675	27648	4.5	7.0E-48	TN 8500578	ᅜ	Homo sapiens SET domain and mather transposase fusion gene (SETMAR) mRNA
6707	19763	33042	24.74	7.0E-48	11416831 NT	NT.	Homo sepiens histich/+RNA synthetese (HARS), mRNA
3612		28275	1.2	6.0E-48	6.0E-48 AI761111.1	EST_HUMAN	w/69h03.x1 NCI_CGAP_Kid12 Homo septens cDNA clone IMAGE:2398813 3'
6178	L	32484	1.12	6.0E-48	6.0E-48 AB006955.1	NT	Homo septens mRNA for AIE-75, complete cds
6963		33502	68.0	6.0E-48	11420895 NT	NT	Homo sepiens BMX non-receptor tyrosine kinase (BMX), mRNA
7702		34022	0.56		6.0E-48 AB046844.1	NT	Homo septems mRNA for KIAA1624 protein, partial cds
7702	25687	5Z07E	95.0			NT	Homo sepiens mRNA for KIAA1624 protein, partial cds
9478	L	35885	1.94		6.0E-48 AF026816.1	NT ·	Homo sapiens putative oncogene protein mRNA, partial cds
6686	22852	36311	1.78	6.0E-48	11427428 NT	NT	Homo sapiens hypothetical protein FLJ11006 (FLJ11006), mRNA
							zq45b06.s1 Strategene hNT neuron (#837233) Homo sapiens cDNA clone IMAGE:632827 3' sanifar to
10047		36441	333		6.0E-48 AA189080.1	EST_HUMAN	contains Alu repetitive etement
3320		29292	1.58	1	4826891 NT	¥	Homo septens phosphodiesterese 1A, celmodulin-dependent (PDE1A) mRNA
8921		35314	1.11	5.0E-48	5.0E-48 BE084410.1	EST_HUMAN	RC4-BT0311-141199-011-h08 BT0311 Home saplens cDNA
11305		37782	2.83	4.0€-48	4.0E-48 AI620420.1	EST_HUMAN	tud7e02.x1 NCI_CGAP_Pr28 Homo sepiens cDNA clone IMAGE:2254154 3*
1385	14419	27388	1.33	3.0E-48	3.0E-48 AV690964.1	EST_HUMAN	AV690964 GKC Hamo sepiens aDNA dane GKCDRE12 6
1993	15014	28020	. 16.21	3.0E-48	4885170 NT	NT	Homo seplens chromosome X open reading frame 6 (CXORF9) mRNA
1983	15014	28021	16.21	3.0E-48	4885170	IN	Homo sepiens chromosome X open reading frame 8 (CXORF9) mRNA
3429	16477	28386	0.83	3.0E-48	3.0E-48 AF172453.1	N	Homo sepiens opicid growth factor receptor mRNA, complete cds
3647	16890	29606	0.75		3.0E-48 AW664531.1	EST HUMAN	h14b12.x1 NCI_CGAP_GU1 Homo septens cDNA clone IMAGE:2872255 3' similer to SW:DCRB_HUMAN P66555 DOWN SYNDROME CRITICAL REGION PROTEIN B.;
4275	17304		6.0	3.0E-48	3.0E-48 AA009541.1	EST_HUMAN	zi04g03.rl Soares_fetai_liver_spleen_1NFLS_S1 Hamo sapiens cDNA clone IMAGE:429844 5

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		П	Human endogenous retrovirus HERV-P-147D	m03f05.91 NCI_CGAP_Pr22 Homo septens cDNA clone IMAGE:1219137 3' similar to contains PTR5.b1			Г	Г		Г				Г	Homo sapiens mRNA for KIAA1501 protein, partial cds	Lizare and an animal property of kappe light	$\Box$	T		Homo sapiens displatin resistance essociated overexpressed protein (LOCO1747), mixiva	Homo expiens amyoid beta (A4) precursor protein (protesse nextr-II, Alzhelmer disease) (APP), mRNA	Homo sapiens EBNA-2 co-ectivator (100kD) (p100), mRNA	Homo septens EBNA-2 co-erctivator (100kD) (p100), mRNA	Hamo sepiens RNA binding modif protein 6 (RBM6) mRNA	Hamo sapiens chromosome 21 segment HS21 C102	Homo saplens chromosome 21 segment HS210046	M17601XI NCI_CGAP_Co16 Homo sapiens CDNA done IMAGE:2073604 3' similar to ITC/14366 U14366 U14368 U1	Т		Homo sepiens NF2 gene	Hamo septens mPNA for KIAA1071 protein, perties cds	Homo saplens mRNA for KIAA1071 protein, partial cus
	Top Hit Database Source	EST_HUMAN	¥		EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN		EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	Ę	¥			EST_HUMAN	EST_HUMAN	N	Z	둫	¥	F	NT	F	NAMI IH TRE	101	EST_HUMAN	ᅜ	N.	<u>N</u>
	Top Hit Acession No.	3.0E-48 BE084571.1	3.0E-48 AF087913.1						2 0F-48 H24278.1		2.0E-48 BE246065.1	2.0E-48 AA813171.1	2.0E-48 AA613171.1				96238	ſ	2.0E-48 AA465007.1 .	7706534 NT	4502166	7657430 NT	7857430	5032032	1.0E-48 AL163302.2	1.0E-48 AL 163246.2	A 10000177 4	1.VE-40 A1009U/ /. I	1.0E-48 A1889077.1	1.0E-48 Y18000.1	1.0E-48 AB028994.1	1.0E-48 AB028994.1
Moet Cimilar		3.0E-48	3.0E-48/		3.0E-48	3.0E-48	20E-48	20E-48	2.05-48		2.0E-48	2.0E-48	2.0E-48	2 OF 48	20F-48	21	2.0E-48	2.0E-48	2.0E-48	1.0E-48	1.05-48	1.0E-48	1.0E-48	1.0E-48		1.0E-48	90.7	1.05-40	1.05-48	1.0E-48	L	
	Expression Signal	2.41	8		4.11	8.9	24	133	28		0.92	0.63	0.63	0 %	G.	9	3.52	1.37	3.8	3.37	1.67	1.8	1.8	5.06	14.5	0.83		1.17	1.17	1.03		0.7
	ORF SEQ ED NO:	32278	83571			37700					30477						34103							Ĺ	L			32730	32737		33082	
	SEQ ID NO:	19081	1.	ĺ	24.702	24174	42428	42487	47.84	3	17585		1_	L			20730	L			130%)	1_					1	19487	19487		L	
	Probe SEQ ID NO:	6007	7245	121	8734	14224	4	֚֚֚֓֞֝֝֝֟֟֟֟֟֟֟֟֟֟֟֟֓֟֟֟֓֟֟֟֟֟֟֟֟֟֟֟ ֓	F &	3	4562	5042	200	201	1100	107/	шц	8668	12318	89	87.4	1077	1077	1200	1033	3500		6420	6420	SEA.B	6748	6748

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Table 4
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	Top Hit Descriptor	UHHBI3-do-e-05-0-UI.s1 NCI_CGAP_Sub5 Homo explens cDNA clone IMAGE:3068048 3'	EST77525 Pencress tumor III Homo septiens curva a end	ESTITIES Parcress turnor III Home sapiens CLIVA 9 end	2/29c08.s1 Soares Teta INST Spean TINTLS OF millio separate contraction of the contractio	Homo sepiens diramosame 21 sepirati mozilovito	Homo espiens chromosome 21 segment HSZ10010	zp.20-07.r1 Strategene neuroepithelium (#937231) Homo sepiens cDNA clone IMAGE:610900 5' similar to TR;6233226 G233228 RTVL-H PROTEIN; conteins LTR7.t3 LTR7 LTR7 repetitive element;	Homo septens puritive turnor suppressor of 15 (0115) fill ser, contract of	Homo sapiens similar to rifoscomal protein S27 (metallopenstimulin 1) (H. sapiens) (LOC83362), mRNA	x08501.x1 NCI_CGAP_UM Hamo septens cDNA clone IMA(GE:26/6665 3' Simuar to vr P:50330.45 CE06703 ;	Homo sepiens mRNA for entyrth B (440 tDa)	Homo sabiens mRNA for enlyrin B (440 kDa)	Homo seniens UDP-N-emetyl elibha-D-calactosamins.polypeptide N-ecelylgalactosaminyfiramsferase 8	(GaINAC-T8) (GALNT8), mRNA	Homo septens UDP-N-ecody epita-D-gasazosanin's poypepude in ecodygasacces in your design of the company of the	Homo septens KIAA0623 gane product (KIAA0623), mixtva	Homo sapiens copine III (GPNE3), mithA	Homo sepiens capine III (GPNE3), mKNA	Z80R5_FING_CGAP_GCS1 Hamp septems curve come investment of transferors their 1 (CSTT1)	Homo septens glutathione of deficience of the last of	H. saplens mRNA for acety-CoA carboxysisse H. saplens mRNA for acety-CoA carboxysisse H. saplens mRNA for specific to carboxysisse H. saplens mRNA for specific to carboxysisse H. saplens mRNA for specific to carboxysisse	repositive element;	Human type IV collegen (COLL4Ab) gene, exch 40	ESTZBETZ WATMIT HOME SEPERS CONTA CHIE ZOOLE	EST425/2 Endometria unitor maino septemblicatorio o securitorio de securitori de securitorio de securitorio de securitorio de securitorio de	MICA-H 10407-130200-113-901 1110-001 1 miles options CDNA clone IMAGE:282571 5	
	Top Hit Database Source	П	コ	┑	T HUMAN		Ę.	r HUMAN	5		T HUMAN	П	Į							EST_HUMAN	M	Į,	EST_HUMAN	¥	EST HUMAN	EST HUMAN	EST HUMAN	ESI HOMAN
28	Top Hit Acession No.		6.0E-49 AA366556.1					Σ.		11436355 NT	4 NE. 40 AW 189533.1	4.0E-49 Z26634.2	728884.2	740007	11525737 NT	11525737 NT	7862209 NT	11425374 NT	11425374 NT	4.0E-49 AA210708.1	4.0E-49 AF240788.1	3.0E-49 X88968.1	3.0E-49 AA016131.1 ·	3.0E-49 U46999.1	3.0E-49 H39479.1	3.0E-49 AA337561.1	2.0E-49 BE165980.1	20E-49 N28446.1
	Most Similar (Top) Hit BLAST E Value	8.0E-49	6.0E-49	6.0E-49	6.0E-49	6.0E-49	5.0E-49	5.0E-49	5.0E-49 U17714.1	5.0E-49	4 OF 40	405-49	100	P Unit	4.0E-49	4.0E-49	4.0E-49	4.0E-49	4.0E-49	4.0E-49	4.0E-49	3.0E-49	3.05-49	3.0E-49	3.0E-49	3.05-49		
	Expression Signal	74	60.4	4.09	4.7	8.21	8.21	3.44	9.75	6.07	ų,	188	8	8.	99.0	0.68	0.71	0.53	0.53	8.71	3.19	1.27	1.83	211	10.82	1.54	8	1.6
	ORF SEQ ID NO:	38107	38446	38447		26708		27828		29259		1			33811							28640	<u> </u>	30019	33976			1 28213
	Exan SEQ ID NO:	24547	24850	24850	26723	13775	13775	14837	L	L		19061	3	20423	20452		L		1		<u> </u>	L		1	١_			16291
	Probe SEQ ID NO:	11609	11972	11972	12645	733	713	80	2760	8286	200	2767	2	7457	7487	7487	8100	878	200	12508	12804	582	8	5019	255	11633	883	3236

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Top Hit Descriptor	Homo sepiens RNA binding protein II (RBMIII) gene, complete cds	AV717838 DCB Homo septems cDNA clans DCBALB01 5	EST02558 Fetal brain, Stratagene (cat#836206) Homo sapiens cDNA clone HFBCY50	Homo sapiens SNCA Isoform (SNCA) gene, complete cde, efternetivety spilcod	601458531F1 NIH_MGC_66 Hamo septems cDNA clame IMAGE:3862086 5	Homo sepiens keretiin 18 (KRT18) mRNA	601115769F1 NIH_MGC_16 Hamo septens cDNA clane IMAGE:3356273 5	601820053F1 NIH_MGC_58 Homo saplens cDNA clone IMAGE:4052052 6	yndsho4.11 Scares addit brain N2b5HB567 Homo sapiens cDNA cione IMAGE:171703 5' similar to SP:0861_HUMAN Q08447 GUANINE NUCLEOTIDE-BINDING PROTEIN G(T) GAMMA-1 SUBUNIT;	EST376713 MAGE resequences, MAGH Homo septems cDNA	AV703000 ADB Hamo sepiens cDNA clone ADBCVD11 57	AV703000 ADB Hamo sepiems oDNA clans ADBCVD11 6"	601280330F1 NIH_MGC_8 Homo saptens cDNA clone IMAGE:3620863 57	601290330F1 NIH_MGC_8 Homo sapiens cDNA clone IMAGE:3620863 5	yw78g12.s1 Soeres_placenta_8tc9wedka_2NbHP8tc9W Hamo sepiera cDNA clane IMAGE:258406 3' similar to gb:X65673 KINESIN HEAVY CHAIN (HUMAN);	yw78g12.s1 Soares_placenta_8tb9weeks_2NthHP8tb9W Homo septens cDNA clone IMAGE:2384063'	similar to gb:X65873 KINESIN HEAVY CHAIN (HUMAN);	Hamo sepiens succinate CoA ligase, GDP-forming, alpha subunit (SUCLG1), mRNA	Homo sepiens succinate-CoA ligase, GDP-forming, alpha subunit (SUCLG1), mRNA	Homo sapiens RNA binding modif protein 7 (LOC\$1120), mRNA	601300892F1 NIH_MGC_21 Hamo sapiens cDNA clone IMAGE:3635398 6	DKFZp434D2423_11 434 (synanym: httes3) Hamo sapiens aDNA dane DKFZp434D2423 5	Hamo sepiens Pencrese-specific TSA305 mRNA, complete cds	Homo sepiens brefeldin A-inhibited guanine nucleotide-exchange protein 1 (BIG1), mRNA	MR0-HT0407-010200-008-f02 HT0407 Homo sapiens cDNA	Homo sapiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA	601176250F1 NIH_MGC_17 Homo sapiens dDNA clone IMAGE:3531588 5	Homo sepiens chromosome 21 segment HS21C002	Homo sepiens mRNA for VIP receptor 2	Homo sepiens mRNA for VIP receptor 2	Homo septems actinin, alpha 1 (ACTN1) mRNA	Homo saplens capping protein (actin filament) muscle 2-lina, beta (CAPZB), mixNA
Top Hit Dattabase Source	된	EST_HUMAN	EST HUMAN	NT	EST_HUMAN	٦	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN		EST HUMAN	M	¥	M	EST_HUMAN	EST_HUMAN	NT	M	EST_HUMAN	NT	EST HUMAN	NT	NT	Z	둫	닐
Top Hit Acession No.	1	.1		1	1.0E-49 BF036327.1	4557887 NT	1.0E-49 BE255218.1	1.0E-49 BF131007.1	1182391.1	1.0E-49 AW984840.1	1.0E-49 AV703000.1	1.0E-49 AV703000.1	1.0E-49 BE398110.1	1.0E-49 BE398110.1	1.0E-49 N25884.1		N25884.1	11321580 NT	11321580 NT	9994184 NT	1.0E-49 BE409340.1	2	1.0E-49 AB020335.1	11427366 NT	1.0E-49 BE158343.1	11418322 NT	9.0E-50 BE295758.1	8.0E-50 AL163202.2	8.0E-50 X85097.2	8.0E-50 X95097.2	4501890 NT	4826658 NT
Most Similar (Top) Hit BLAST E Value	2.0E-49/	20E-49/	2.0E-49	2.0E-49	1.05-49	1.0E-49	1.0E-49	1.0E-49	1.0E-49 H18291.1	1.0E-49	1.0E-49	1.0E-49	1.0E-49	1.0E-49	1.0E-49		1.0E-49 N25884.1	1.0E-49	1.0E-49	1.0E-49	1.0E-49	1.05-49	1.0E-49	1.0E-49	1.0E-49	1.0E-49	9.0E-50	8.0E-50	8.0E-50	8.0E-50	8.0E-50	8.0E-50
Expression Signal	0.78	1.14	1.62	2.57	9:32	127	3.33	6.72	0.87	-	0.58	0.58	3.3	3.3	22		22	0.68	0.69	0.78	1.14	122	1.89	3.12	1.7	278	1.06	3.9	2.14	2.14	4	2.18
ORF SEQ ID NO:	29547	33249				27560	27837				33744					Ĺ	33847	34790			35734							26198	26716	28717		
Essan SEQ ID NO:	16628	18862		L	13955	14589	14845	18535		1	20394	20394	20400	20400	<u> </u>		20485	21383			L.		<u> </u>	<u> </u>	<u> </u>	L	25897	13273	13782	13782	14807	15704
Probe SEQ ID NO:	3583	988	8436	12603	8	1557	1818	5433	6196	6202	7427	7427	7433	7483	7520		7520	8414	8414	8023	88 448	10485	11399	11640	12147	12502	6544	171	720	22	1778	2710

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	Top Hit Descriptor	QV0-BT0703-280400-211-e08 BT0703 Homo capiens cDNA	RC8-TN0073-150800-011-A12 TN0073 Homo sepiens cDNA	RC8-TN0073-150800-011-A12 TN0073 Homo sapiens cONA	nq59e12.s1 NCI_CGAP_Co9 Homo septens oDNA ctone IMAGE:1148206 3' similar to gb786431 ous RIBOSOMAL PROTEIN L8 (HUMAN);	wm55g11 x1 NCI_CGAP_Ut2 Hamo saptens cDNA clare IMAGE:2439908 31	hodeho4 x1 NCI_CCAP_Ut1 Homo sepiens cDNA clone IMAGE:3039511 3' similar to contains MER29.b3 MER29 repetitive element ;	EST182775 Jurkat T-cells VI Homo septiens cDNA 5 end	EST182775 Jurkat T-cells VI Homo saplens cDNA 5 end	CMO-BT0792-300500-398-b05 BT0792 Homo sapiens cDNA	CMD-BT0782-300500-398-b05 BT0782 Hamo septens cDNA	либътю.s1 NCI_CGAP_Pr4 Homo sapiens cDNA clone IMAGE:1043683 similer to contains P IR5.t3 P IR5 recettive element :	no34e09.sr1 NCI_CGAP_SS1 Hamo septens cDNA clane IMAGE:1104520 3' similar to gbcX53741_me1	FIBULIN-1, ISOFORM A PRECURSOR (HUMAN);	Homo sapiens cysteiny-IRNA synthetasse (CARS), mRNA	QV1-BT0681-280300-127-f12 BT0681 Homo septens cDNA	Human endogencus retrovirus RTVL-H2	601109717F1 NIH_MGC_16 Hamp sapiens cDNA clane IMAGE:3350309 5	obosito6.s1 NCI_CGAP_Kid3 Home septens cDNA clone IMAGE:1322627 3	Homo sepiens protein tyrosine phosphatese, non-receptor type 12 (PTPN12), minny	Homo sapiens protein tyrosine phosphatase, non-receptor type 12 (P. I.PN12), mixNA	Homo sepiens similar to sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A (H. sapiens) (LOC63232), mRNA	Homo sepiens FYVE domein-containing dual specificity protein phosphaiase FYVE-DSP1a mRNA, complete	cds	Hamo sepiens FYVE domain-containing duta specifically protein prospiratase FFYE domain-containing duta specifically protein prospiratase FFYE domain-containing duta specifically protein prospiratase FFYE domain-containing duta specifically protein prospiratase FFYE domain-containing duta specifically protein	Homo sepiens ankyrtn-like with transmembrane domains 1 (ANKTM1), mRNA	Homo sapiens mRNA for KLAA1598 protein, partial cds	Homo sepiens t-complex 10 (a murine top homolog) (TCP10), mRNA	Human mRNA for KIAA0289 gene, partial cds	Homo sepiens Groz-essocianed Dinder Z (NAANO71), mixten
-	Top Hit Database Source		EST_HUMAN R	EST_HUMAN R	EST HUMAN R		EST_HUMAN M		П	EST HUMAN C	EST_HUMAN C	INAM IN TOTAL	Т	T HUMAN		T_HUMAN		EST_HUMAN 6	T HUMAN					5	<u> </u>					
Pignio	Top Hit Acession No.				7.0E-60 AA627822.1 E			8.0E-50 AA312079.1				2 N AAECTOBS 4		4.0E-60 AA801143.1	11440683 NT	1		1.1	3.0E-50 AA746142.1	11418317 NT	11418317 NT	11421514 NT		3.0E-50 AF233436.2	3.0E-50 AF233438.2	01589	AB046818.1	11418514 NT	3.0E-50 AB002297.1	11438955 NT
	Most Similar (Top) Hit BLAST E Value	7.0E-50 BE089591.1	7.0E-50 BF091922.1	7.0E-50 B	7.0E-60 A	7.0E-50 AI872137.1	6.0E-50 B	8.0E-50 A	6.0E-50 A	5.0E-50 B	5.0E-50 B	200	0.00	4.0E-50 A	4.0E-50	4.0E-50 BE087536.	3.0E-50 M18048.1	3.0E-50 E	3.0E-50	3.0E-60	3.0E-50	3.0E-50		3.0E-50	3.05-50/	3.05.50	3.0E-50/	3.0E-60	3.0E-50/	3.0E-50
	Expression Signal	9.08	12	121	29:0	28.06	89.9	7.98	7.96	1.18	1.18	0	200	1.45	0.54	0.83	286	1.11	0.88	9.0	9.0	1.56		4.3	43	0.61	1.1	0.96	0.74	1.99
	ORF SEQ ID NO:	26604	33500	33501	33852	37590		37852	37653	L	L	İ		•	32813	33763	L	28549	L	33180		33472		34234	342345					1
	SEO ID	13686	20176	20178	20490	24068	21524	24124	24124	14836	14836		22472	13972	19561	20411	14978	15528	16363	19887	19887			20849	07806		L	┸		24381
	Probe SEQ ID NO:	624	6052	2398	75.28	1108	8556	41168	11168	188	1808		\$ 1 m	918	6497	7445	1955	2525	3310	488	8834	660		7908	2002	8008	40477	10188	10885	11438

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Ton HR Descriptor		Homo saplens CTL2 gane	Homo sapiens MHC class 1 region	Homo septens midline 1 (Optiz/BBB syndrome) (MID1) mRNA	Homo saplens decarin D mRNA, complete cds, alternatively spliced	Homo sapiens serine paintitry transferase, subunit II gene, complete cds; and unknown genes	Mus musculus mRNA for high-sulfur keretiin protein, pertiel ods	AU124065 NT2RM2 Homo sepiens CDNA clone NT2RM2001609 5	Homo sapiens TFF gene cluster for trefoil factor, complete cds	Hamo sapiens TFF gene cluster for trefoil factor, complete cds	Human HALPHA44 gene for alpha-tubulin, exans 1-3	Human HALPHA44 gene for alpha-tubulin, exons 1-3	Mus musculus keratin complex 2, gene 6g (Krt2-6g), mRNA	Mus musculus keratin complex 2, gene 6g (Krt2-6g), mRNA	Macaca mutatta cyclophilin A mRNA, complete cds	Homo saplens chromosame 21 segment HS210009	Homo saplens Xq pseudoautosomal region; segment 1/2	Homo sapiens Xq pseudoautosomal region; segment 1/2	Homo sepiens RGH2 gene, retrovirus-like element	hd44602xf Scares_NFL_T_GBC_S1 Homo saplens cDNA clone IMAGE:2912378 3' similar to TR:08538   095638 CAMP-REGULATED GUANINE NUCLEOTIDE EXCHANGE FACTOR II.;	Inj67h03.s1 NCI_CGAP_GCB1 Homo expiens cDNA clone INAGE:1283381 3/	abz3g04.x5 Stratagene lung (#837210) Homo sapiens cDNA clone IMAGE:841686 3' similer to SW:PSM_HUMAN Q04609 PROSTATE-SPECIFIC MEMBRANE ANTIGEN;	2651009.r1 Scaree_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:486352 5	ab23g04.x5 Strategene lung (#837210) Homo saptens cDNA clone IMAGE:841698 3' stmiter to SW-PSM_HUMAN Q04609 PROSTATE-SPECIFIC MEMBRANE ANTIGEN;	ab23g04.x5 Strategene lung (#037210) Homo sepiens cDNA clone IMAGE:841688 3' similier to SW:PSM_HUMAN Q04609 PROSTATE-SPECIFIC MEMBRANE ANTIGEN;	yw24g08.r1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:253210 5"	yw24g08.r1 Morton Fetal Cochlea Homo sapiens cDNA clone IMAGE:253210 5	np88609.s1 NGLCGAP_Lu1 Homo sepiens dDNA done INAGE:1142440 3' similar to gb:X12671_ms1 HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1 (HUMAN);	Homo saplens PDZ-73 protein (PDZ-73/NY-CO-38), mRNA	AU138690 PLACE1 Homo sapiens cDNA clone PLACE1008887 5
Top Hit	Source	Z	NT	TN	NT	N	H	EST_HUMAN	NT	IN	TN	NT.	FN	N	IN	N	NT	ᅜ	Ę	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	<b>EST HUMAN</b>	EST_HUMAN	EST_HUMAN	439587 NT	EST HUMAN
Top Hit Acesston	ź	AJ245621.1	2.0E-50 AF055068.1	557752	1	2.0E-50 AF111168.2		2.0E-50 AU124065.1	.1	2.0E-50 AB038162.1	2.0E-50 X06958.1	2.0E-50 X06956.1	9910283 NT	TN 5220168	2.0E-60 AP023861.1	1.0E-50 AL163209.2	1.0E-50 AJZ71735.1	-		9.0E-61 AW611226.1	9.0E-51 AA744837.1	9.0E-51 AJ791154.1	9.0E-61 AA043738.1	9.0E-51 AI791154.1	9.0E-51 AI791154.1	H89078.1	9.0E-61 H89078.1		11439587	8.0E-51 AU138590.1
Most Similar (Top) Hit	BLAST E Vatue	3.0E-50	2.0E-50	2.0E-50	2.0E-50	2.0E-50	2.0E-50	2.0E-50	2.0E-50	2.0E-30	2.0E-50	2.0E-50	2.0E-50	2.0E-50	2.0E-60	1.0E-80	1.0E-50	1.0E-60	1.0E-50	9.0E-61	9.0E-51	9.0E-51	9.0E-61	9.0E-51	9.0E-51	9.0E-51	9.0E-61	8.0E-51	8.0E-51	8.0E-51
Expression	Signal	8.4	6.8	6.73	96.0	0.83	0.75	15.0	1.09	1.09	87.8	87.8	1.43	1.43	1.52	2.26	126	0.55	0.97	1.01	0.71	0.65	12	0.52	0.62	1.5	1.6	6.51	2.04	0.96
ORF SEQ	Ö N O	37468		27078		28272	30197	33380		35048	35189	35180	36657			26461			36970			l	l						L	Ц
Exam	S S	23947	13837	14125	14470	16853		20073			L		23169			13535	15381	50802		19174	L	<u>.</u>	L	L			L	<u> </u>		Ш
P dbe	Š Š Š	11792	738	1081	1437	8300	4289	7051	8659	8859	8786	8789	10244	10244	11971	\$	2373	2002	10553	888	6350	9020	8/98	8988	8858	11804	11804	4599	7914	9819

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	Top Hit Descriptor	QV4-NT0028-200400-180-405 NT0028 Hamo septens cDNA	vr34e03 x1 NCI_CGAP_Ktd11 Homo sepiens cDNA clone IMAGE:2885564 3' similar to TR:092340 Q92340 ATYPICAL PKC SPECIFIC BINDING PROTEIN;	DKFZp434B2229_r1 434 (synanym: https3) Hamo sepiens aDNA dane DKFZp434B2229 6	DKFZp434B2229_r1 434 (synonym: https://dyno.sapiens.cDNA.clone.DKFZp434B2229 5	UHHBW0-eip-b-05-0-UI.s1 NCI_CGAP_Sub6 Homo septens cDNA done IMAGE:2723817 3'	Homo sepiens HSPC331 mRNA, pertial cds	Homo sepiens putetive DNA binding protein (MSB), mRNA	Homo sapiens KIAA0929 protein Mss2 interacting nuclear target (MINT) homolog (KIAA0929), mRNA	Homo sepiens KIAA0929 protein Mss2 interacting nuclear target (MINT) homolog (KIAA0929), mRNA	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), mRNA	Homo saplens solute cerrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), mRNA	Human haptoglobin related (Hpr) gene exon 3	Homo saplens mitogen-ectivated protein kinase kinase 1 (MKK4) gene, excn 4	Homo sepiens mitogen-ectivated protein kinase kinase 1 (MKK4) gene, expn 4	Homo sapiens ribosomai protein S6 kinase, 70kD, polypeptide 1 (RPS6KB1) mRNA	Homo sapiens non-kinasa Cdc42 effector protein SPEC2 (LOC56860), mRNA	Homo sapiens cerebral cell adhesion molecule (LOC51148), mRNA	Homo saplens hypothetical proteth FLJ11042 (FLJ11042), mRNA	Homo sapiens hypothetical protein FLJ11042 (FLJ11042), mRNA	Homo sapiens B9 protein (B9), mRNA	Human ankyrtn (ANK1) gene, exon 2	Homo sapiens interleukin 17 receptor (IL17R), mRNA	Hamo sepiens chramosome 21 segment HS210003	Homo sapiens T-cell lymphome invesion and metastasis 1 (TIAM1) mRNA	Novel human gene mapping to chamosome X	Hamo sepiens 26S protessame essociated pad1 hamolog (POH1) mRNA	Hamo saplens mRNA for nucleoparin 155	Humen Ku (p70/p80) subunit mRNA, complete cds	Human Ku (p70/p80) subunit mRNA, complete ods	Homo sapiens RNA binding motif protein 3 (RBM3), mRNA
- VOII 1 1000	Top Hit Derbasse Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	Ę	Ę	Z	F	뉟	¥	٦	된	Į.	ΙN	Ā	ᅜ	F	NT	NT	Z	F	된	NT.	뒫	뉟	NT	토
Silligia	Top Hit Acession No.	7.0E-51 AW889219.1	7.0E-61 AW274720.1	7.0E-51 AL079628.1	7.0E-51 AL079828.1	7.0E-61 AW295603.1	7.0E-51 AF161449.1	6678763 NT	7857288 NT	7867288 NT	8910553	9810553 NT	6.0E-61 X01788.1	6.0E-51 AF070083.1	6.0E-51 AF070083.1	4508736 NT	11416751 NT	11429665 NT	11428525 NT	11428525 NT	TN65355 NT	U50083.1	11626289 NT	AL163203.2	5.0E-51 4507500 NT	6.0E-61 AL133204.1	5031980 NT	5.0E-51 AJ007558.1	5.0E-51 M30938.1	5.0E-51 M30838.1	5803136 NT
	Most Similar (Top) Hit BLAST E Value	7.0E-51	7.0E-61	7.0E-51	7.0E-51	7.0E-51	7.0E-51	8.0E-51	6.0E-51	6.0E-51	6.0E-51	6.0E-51	6.0E-51	6.0E-51	6.0E-51	6.0E-61	6.0E-51	6.0E-51	6.0E-51	6.0E-51	6.0E-51	6.0E-51	6.0E-51	5.0E-51	5.0E-51	6.0E-61	5.0E-51	5.0E-51	5.0E-51	5.0E-51	5.0E-51
	Expression Signal	1.08	0.72	1.4	4.1	1.54	2.13	0.91	5.54	17.23	0.68	0.68	28	8.28	8.28	1.13	1.03	228	0.62	0.62	204	1.14	1.55	8.57	1.9	1.23	1.02	7.72	1.85	1.85	4.07
	ORF SEQ ID NO:	29268		30116	30117	30286	·	27534	28024	29458	30247	30248						L			36436			26798		26998	27620	28619	28919	28820	38108
	Exam SEQ ID NO:	16348	16424	172271	172271	17408	24870	14563	15017	16533	17385	17365	19184	1	1	20140	20088	18389	22458	22458	22969	23046	24523			15868	14844		17005	17005	24548
	Prabe SEQ ID NO:	3285	3374	4196	814	4378	11883	1530	1996	3487	4338	4338	9109	6116	6118	6926	.7076	7157	9482	9492	10042	10120	11585	782	ğ	88	1612	2599	3965	3965	11610

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ign control to the co	Top Hit Descriptor	tr81c09x1 NCI_CGAP_Pan1 Homo sepiens cDNA clone IMAGE:2224720 3' similar to gb:M26326 KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	tr81c09.x1 NCI_CGAP_Pan1 Homo sapiens cDNA clone IMAGE:22247.20 3' similar to gb:M283.28 KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	87g01.s1 Strategene hNT neuron (#837233) Homo septens cDNA clone IMAGE:649008 3"	Novel human gene mapping to chamosome 22	ya47c08.r1 Soares infant brain 1NIB Homo sepiens cDNA clone IMAGE:53233 5' similar to gb:M14123_cds4 RETROVIRUS-RELATED POL POLYPROTEIN (HUMAN);contains LTR5 repetitive element ;	Human InnRNP C2 protein mRNA	1904d06.y1 Human Pencreatic Islets Homo sapiens cONA 5	Homo sepiens X-linked anthidroitic ectodermal dysplasia protein gene (EDA), exon 2 and flanking repeat	Bolons	Homo sepiers ubiquifin protein ligase E3A (human papilloma virus E6-associated protein, Argentian syndrome) (UBE3A) mRNA	11285694F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3607463 5	601285694F1 NIH_MGC_44 Hamo septens cDNA clane IMAGE:3807463 5	z/30e/05.r/ Stratagene NT2 neuronal precursor 937230 Homo sapiens cDNA clone IMAGE:664880 5 shrifar to TR:G233228 G233228 RTVL-H PROTEIN ; contains LTR7.t3 LTR7 repetitive element;	fi27g03.x1 NCI_CGAP_Kd11 Homo sepiers cDNA clore IMAGE:2131732.3	UI-H-BI1-edj-4-02-0-UI.s1 NCI_CGAP_Sub3 Homo sepiens cDNA done IMAGE-2716861 3'	ob34f09.v5 NCI_CGAP_KId5 Homo sepiens cDNA clone IMAGE:13256069 3' similiar to SW:NME1_MOUSE P35436 GLUTAMATE [NMDA] RECEPTOR SUBUNIT EPSILON 1 PRECURSOR;	ob34f09.x5 NCI_CGAP_KId5 Home sapiens cDNA clone IMAGE:1325609 3' strillar to SW:NME1_MOUSE P35436 CLITAMATE [NMDA] RECEPTOR SUBUNIT EPSILON 1 PRECURSOR;	601470446F1 NIH_MGC_67 Hamo sapiens cDNA clone IMAGE:3873563 5	Homo septens diacylglycerol kinase lobe (DCKI) gene, excn 23	Homo sapiens cell recognition molecule Caspr2 (KIAA0868), mRNA	601676787F1 NIH_MGC_Z1 Hano septens cDNA dane IMAGE:3858613 5	601676767F1 NIH_MGC_21 Hamo sapiens cDNA clone IMAGE:3959813 5	Homo septens disrupted in schizophrenia 1 (DISC1), mRNA	1574607.x1 NCI_CGAP_GC8 Home sepiens cDNA done IMAGE-2236880 3' sémilar to SW:TRKC_HUMAN Q16288 NT-3 GROWTH FACTOR RECEPTOR PRECURSOR;	MR3-HT0487-150200-113-g01 HT0487 Homo sapiens cDNA
V 2000 1 110V	Top Hit Databasa Source	EST_HUMAN K	EST_HUMAN K	EST_HUMAN x	NT TA	ST_HUMAN R	H NI	EST_HUMAN 18		NT NT		T_HUMAN	EST_HUMAN 6		EST_HUMAN E	EST_HUMAN U	EST HUMAN P		EST_HUMAN 6	H		EST_HUMAN 6	T_HUMAN		T_HUMAN	EST_HUMAN N
	Top Hit Acessian No.	3.0E-61 AJ587348.1					3.0E-51 M29063.1	1.		3.0E-51 AF003528.1	4507798 NT		2.0E-61 BE391063.1			Ţ			-	_	362349		1	11037064 NT		2.0E-51 BE165980.1
	Most Similar (Top) Hit BLAST E Value	3.0E-61	3.0E-51	3.0E-51	3.0E-61	3.0E-51 R15914.1	3.0€-51	3.0E-51		3.0E-51	2.0E-51	2.0E-51	2.0E-51	2.0E-51	2.0E-51	2.0E-51	2.05-51	2.0E-51	2.0E-51	20E-51	2.0E-51	20E-51	20E-51	20E-61	2.0E-51	2.0E-51
	Expression Signal	1.83	3.31	1.09	223	4	4.32	0.48		1.38	1.19	0.68	99:0	4.99	2.48	0.69	0.57	0.67	4.17	0.68	0.94	1.54	1.54	76.0	1.35	6.78
	ORF SEQ ID NO:	26171	71172	27961	30263	34157					26380	28678	26879	27710	29689	30433	31545	31546	32433		34012	35434	Ì			
	SEQ ID	13240		1	17381	20779	22157	26008		25435	13452	13752	13762	14727	16787	17646	18813	18613	18208	20402	20848	<u> </u>	i_	22354	l	22888
	Probe SEQ ID NO:	135	1180	9,6	4354	7831	99	8423		12810	388	88	88	1697	3745	253	5513	8513	6434	75.84	0692	9046	8048	8383	0788	2965

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	Top Hit Descriptor	Homo septems mRNA for KIAA0457 protein, pertial cds	AV882474 GKB Hamo sapiens cDNA clane GKBAGF05 6"	EST9/1296 Synovial sarcoma Homo sapiens cDNA 5' end	ob34f09.x5 NCI_CGAP_Kld5 Home sapiens cDNA clone IMAGE:1325609 3' similar to SW:NME1_MQUSE P35439 GLUTAMATE [NIMDA] RECEPTOR SUBUNIT EPSILON 1 PRECURSOR;	obs4609.05 NCI_CGAP_KId5 Home sapiens cDNA clone IMAGE:1325609 3' shrifer to SW NME1_MOUSE P35436 GLUTANATE [NMDA] RECEPTOR SUBUNIT EPSILON 1 PRECURSOR;	203a01.r1 Soares_fetal_liver_spleen_1NFLS_S1 Hamo sapiens cDNA clane IMAGE:423672 5	Homo sapiens myeloid/lymphoid or mbed-lineage leukemia (trifnorax (Drosophiia) homolog); translocated to, 4 (MILT4), mRNA	Homo sapiens eukaryotic translation initiation factor 44, Isoform 1 (EIF4A1) mRNA	AV742248 CB Homo septens cDNA clone CBFBCC12 5	Homo sapiens small inducible cytokine subfamily A (Cys-Cys), member 15 (SCYA15) mRNA	Homo septens small inducible cytokine subfamily A (Cys-Cys), member 15 (SCYA15) mRNA	b12056t Testis 1 Homo sepiens cDNA done b12056	ts39g02.x1 Sogres_NhHMPu_S1 Homo sepiens cDNA clone IMAGE:2089106 3*	768662X1 NCI_CGAP_Ov18 Homo septiens cDNA clone IMAGE:3644091 3' shniter to TR:P87892 P87892 PROTEASE:	AV7R650 MIS Homo serviens cDNA clone MDSCBB02 5	zi85a07.s1 Scares_fetal_liver_spleen_1NRLS_S1 Homo sepiens cDNA clone IMAGE:448500 3' similar to contains THR.tS THR repetitive element;	mw21g02.s1 NCI_CGAP_GCB0 Homo sapiens cDNA clone IMAGE:1241138 3' similar to contains THR.t3	THR repetitive element;	H.sepiens mRNA for terminin-5, alpha3b chain	Homo capiens hypothetical protein FL/13556 similar to N-myc downstream regulated 3 (FL/13556), mRNA	Homo sepiens hypothetical protein FLJ13556 similar to N-myc downstream regulated 3 (FLJ13556), mRNA	Hamo sepiene hypothetical protein PLJ13556 similar to N-myo downstream regulated 3 (FLJ13556), mRNA	Homo sepiens hypothetical protein FLJ13556 similar to N-myc downstream regulated 3 (FLJ13556), mRNA	Homo sepiens transforming growth factor, beta-induced, 68kD (TGFBI), mRNA	Homo sapiens transforming growth factor, beta-induced, 68kD (TGFBI), mRNA
-	Top Hit Database Source	TN TN	EST_HUMAN	EST_HUMAN E	EST_HUMAN F	EST HUMAN F	П			EST_HUMAN /			T_HUMAN	EST HUMAN	FST HEIMAN	Т	$T^{T}$		EST_HUMAN	N.				_		
28	Top Hit Acession No.			2.0E-51 AA378559.1	2.0E-61 AJ732851.1		_	11419169 NT	4503528 NT	1.0E-51 AV742248.1	4759071 NT	4759071 NT		1.0E-61 AI572532.1					1.1	8.0E-52 X84900.1	11988028 NT	11968028 NT	11968028 NT	11968028 NT		11416585 NT
	Most Similar (Top) Hit BLAST E Value	2.0E-51	2.0E-51	2.0E-51	2.0E-51	2.0E-51/	2.0E-51	2.0E-61	1.0E-51	1.0E-51	1.0E-51	1.0E-51	1.0E-51 T18862.1	1.0E-61	1 05.54	4 00 54	9.05-62		8.0E-52	8.0E-52	8.0E-62	8.0E-52	8.0E-52	8.0E-52	8.0E-52	8.0E-52
	Expression	0.53	1.54	1.14	7.03	7.83	2.3		8.48	33.7	080	0.98	3.94	86.0	6	60,0	200		8.8	1.77	2.98	2.98	6.44	6.44	0.69	0.69
	ORF SEQ ID NO:	36368			31545	31546	38592	31740	28149		30362	30353	31476	34242	24800	Broke			26184	27500	27889	27870	27669	07872		
	SEQ ID NO:	22904	23720	23758	18613	18613	24991	25430	13225	14524	17463	17463	18565	20854	75.	2000	26.303		13256	14528	14694	14694	14694	14804		Ш
	Probe SEQ ID NO:	7768	10799	10838	11665	11655	12122	12803	114	2	4437	4437	5463	7947	325		42580		<u>\$</u>	1495	1662	1662	4019	4019	7760	7760

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Top Hit Database Source	M	1 NT	506064 NT	1 NT	1 EST_HUMAN		EST HUMAN	EST_HUMAN	58543 NT	EST_HUMAN	1 EST_HUMAN	F	Þ	15414 NT	1 EST_HUMAN	EST_HUMAN	1	1 EST_HUMAN	-			11526297 NT Homo sapiens MIL1 protein (MIL1), mRNA	160025.1   EST_HUMAN   QV1-HT0412-280300-123-c04 HT0412 Home saplens cDNA	1388.3 INT H.saplens graf gene	TN	¥	10835090 NT Hamo sapiens bane marphogenetic protein 5 (BMP5), mRNA	6901963 NT Homo sapiens FGFR1 encogene partner (FOP), mRNA	386558.1 EST_HUMAN EST77525 Percreas tumor III Homo sapiens cDNA 5' end	Homo sepiens Brutan's tyrosine kinase (BTK), atcha-D-galactosidase A (GLA), L44-like ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds	Homo sepiens ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD; Vacuolar proton-ATPase, 4502316 NT subunit E; V-ATPase, subunit E (ATP9E), mRNA
 Top Hit Acess No.	1.0E-52 U48296.1	AB011399.1	9.0E-53 4506	9.0E-53 AF001446.1	7.0E-53 BF238465.1		7.0E-53 AI421782.1	6.0E-53 BE295719.1	4758	5.0E-63 BE729270.1	5.0E-53 AW813563.1	4.0E-53 AL163285.2	4.0E-63 AL163285.2	7705	4.0E-53 AI613037.1	4.0E-63 F13080.1	4.0E-53 BF128701.1	4.0E-53 BF128701.1	3.0E-53 AB026898.1	3.0E-53 AW050836.1	3.0E-63 AF001212.1	11526	3.0E-53 BE160025.1	3.0E-63 Y10388.3	3.0E-53 Y10388.3	S72043.1	10835	5901	2.0E-53 AA366556.1	2.0E-63 U78027.1	. 41
Most Similar (Top) Hit BLAST E Value	1.0E-52	1.0E-52	9.0E-53	9.0E-53	7.0E-53	1	7.0E-53	6.0E-53	5.0E-53	5.0E-53	5.0E-53	4.0E-53	4.0E-63	4.0E-53	4.0E-53	4.0E-63	4.0E-53	4.0E-53	3.05-53	3.0E-53	3.0E-63	3.0E-53	3.0E-53	3.0E-53	3.0E-53	3.0E-53	3.0E-53	3.0E-53	2.0E-53	2.0E-63	
Expression Signal	1.84	1.3	6.0	0.91	2.56		621	0.89	3	1.54	1.67	2.37	2.37	1.11	0.62	0.71	2.83	2.83	264	1.01	0.92	1.09	96'0	96.0	96.0	12.56	0.69	9.53	253	6.08	11.44
ORF SEQ ID NO:	37801	31608	29762	30336				31098	30047	38580		26079	26080	30764			38044	38045	28685	29698	31511	31979	32629	33613						28967	
Exan SEQ ID NO:	24077	25833		17445	25226				17159	24980	25253	13171	13171		22712		24489	1_		16786	18599	18802	18389	20276					13531	15346	
Probe SEQ ID NO:	11117	13114	3805	4418	12477		12881	5215	4126	12110	12522	51	51	4859	9771	10114	11648	11548	88	3744	5489	2029	6318	7305	7305	8647	9211	9412	458	2335	2543

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	Top Hit Descriptor	Homo saptens core-binding factor, runt domain, alpha subunit 2, translocated to, 1; cyclin D-related (CBFAZT1) mRNA	Homo sepiens core-binding factor, runt domain, elpha subunit 2; transfocated to, 1; cyclin D-related (CBFAZT1) mRNA	Homo sapiens leucine aminopeptidasa (LOC51056), mRNA	Homo sapiens dihydropyridine receptor alpha 2 subunit (CACNAZD1) gene, exon 6	Human Krueppel-related DNA-binding protein (TF34) gene, partial cds	Homo sepiens SKAP65 homologue (SKAP-HOM) mRNA	Homo saplahs chromosome 21 segment HS21 C081	Homo sepiens chromosome 21 segment HS21 C081	PM1-CT0398-170800-001-g03 CT0396 Home septens CJNA	PM1-CT0398-170800-001-g03 CT0398 Homo sepiens cDNA	EST387707 MAGE resequences, MAGN Homo sapiens cDNA	15429, seq. F Human fetal heart, Lambda ZAP Express Homo septems cDNA 6	2822885, Sprime NIH_MGC_7 Homo sapiens cDNA clone IMAGE:2822865 5	Homo seplens Xq pseudoeutosomal region; segment 2/2	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	complete cds)	601176725F1 NIH MGC 17 Homp septers CANA Gone IMAGE:3031919 b	CAMA-NN 1028-150800-543-e02 NN 1029 Homo septems cDNA	RC5-BN1058-270400-031-D01 BN1058 Homo sapiens cDNA	IBS71.seq.F Human fetal heart, Lambda ZAP Express Horno sapients oLNA o	H. saplens mRNA for hmRNPcore protein A1	H.saplens mRNA for myosin-IE	H.sapiens mRNA for myosh-IE	Homo sapiens K2 motif containing GTPass activating protein 1 (KQGAP1) mKNA	601272863F1 NIH_MGC_20 Homo septems cDNA cione IMAGE:3614031 b	Homo saplens insulin-like growfin factor 2 receptor (IGFZR) mRNA	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 8 (ABCA8), mRNA	144e05.x1 Sogres_NRT_GBC_S1 Hamo septens cDNA dane IMAGE:2834752.3"	M44605.X1 Soares_NRT_GBC_S1 Homo sepiens cDNA clone IMAGE-28347523'	af79c12.s1 Scares_testis_NHT Homo sapiens cDNA clone 1377046 3' similar to contains MER30.t3 MER30 repetitive element;	Homo sepiens mRNA for monocyte chemotactic protein-2
	Top Hit Defrabase Source					TN				EST_HUMAN F	EST_HUMAN	EST_HUMAN E	EST_HUMAN !!		H IN					EST_HUMAN F	EST_HUMAN I		FX.	NT.		T_HUMAN			T_HUMAN	EST_HUMAN	EST_HUMAN	П
28.15	Top Hit Acession No.	4757915 NT	4757915 NT	TN 5882 NT	2.0E-63 AF083822.1	2.0E-53 M61873.1	4506982 NT	2.0E-63 AL163281.2		2.0E-63 BF334740.1	2.0E-53 BF334740.1	2.0E-83 AW975598.1	2.0E-53 AA095652.1	2.0E-53 AW245678.1	1.0E-83 AJ271738.1		1.0E-63 AB026898.1	1.0E-53 BE296388.1	1.0E-63 BF364201.1	1.0E-83 BE012071.1	1.0E-53 AA248072.1	1.0E-63 X79636.1	1.0E-63 X98411.1	1.0E-53 X98411.1	4506786 NT	3E38678	4504810 NT	F005700	8.0E-54 AW 592568.1	8.0E-54 AW 592568.1	7.0E-64 AA812537.1	7.0E-54 Y16845.1
	Most Similar (Top) Hit BLAST E Value	2.0E-63	2.0E-63	2.0E-63	2.0E-53	2.0E-53	2.0E-53	2.0E-53	2.0E-53	2.0E-63	2.0E-53	2.0E-83	2.0E-53	2.0E-53	1.0E-33		1.0E-63	1.0E-53	1.0E-53	1.0E-63	1.0E-53	1.0E-53	1.0E-63	1.0E-53	9.0E-54	8.0E-64	8.0E-54	8.0E-54	8.0E-54	8.0E-54		
	Expression Signal	1.17	1.17	1.46	8.0	2.78	123	96'0	96.0	3.33	3.33	1.13	0.61	15.48	7		1.29	1.32	1.43	0.84	0.55	13.12	3.08	3.08	5.13	1.73	2.4	23.25	1.67	1.67	1.85	1.51
	ORF SEQ. ID NO:	28744			29234	30016		31074	31075				L		27450		28389	30902		L	34647		38574	38575	31353			L		L		
	SEQ ID NO:	15730	15730	16287	16313	17122	17545	18202	L	18600		L.	L	L	1_		16469	18015		L	21236		L	L	L	l _	<u>.</u>		1_	1_		
	Probe SEQ ID NO:	2736	2736	3232	3259	4088	4520	5183	5183	2500	6500	8203	8340	9763	1440		3421	5001	6850	7450	8287	2	12105	12105	5375	88	1852	6045	11982	11987	88	1847

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							Ġ.
Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
2215	15229	28252	4.54		7.0E-54 NZ7177.1	EST_HUMAN	yw69d12.s1 Soares_placenta_8toSweeks_2NbHP8to9W Homo sapiens cDNA clone IMACE:257399 3' similar to contains LTR7.b3 LTR7 repetitive element;
10487	23409	36306	181	7.0E-54	11417222 NT	NŢ.	Homo sepiens similar to nuclear factor related to kappa B binding protein (H. sapiens) (LOC63182), mRNA
11623	24561		3.26	7.0E-54	7.0E-54 AJ160189.1	EST_HUMAN	qb67g03.x1 Scares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:1705204 3' similar to contains OFR.t1 OFR repetitive element;
æ	13145	28045	2.05		AB003818.1	NT	Homo sapiens DNA for MICB, exon 4, 5 and partial cds
385	13498	26430	29'0	6.0E-54		NT.	Homo sapiens hypothetical protein DKFZp434Mt035 (DKFZp434Mt035), mRNA
385	13498	26431	0.67	6.0E-54	8822148 NT	ᅜ	Homo septens hypothetical protein DKFZp434M035 (DKFZp434M035), mRNA
3286	16349	29269	66'0	6.0E-64		TA.	Homo sapiens hypothetical protein DKFZp434M035 (DKFZp434M035), mRNA
3546	16592	29517	98'0	6.0E-54	AL1632	ᅜ	Homo sapiens chromosome 21 segment HS210047
4030	17068	29963	1.48		TN 228254	MT	Homo sepiens chioride channel 6 (CLCN6) mRNA
4480	17514	30402	0.78		6.0E-64 AV754746.1	EST_HUMAN	AV754748 TP Hamo saplens cDNA clane TPGAAC10 5
4819	17836	30734	0.94		6.0E-54 AV724885.1	EST_HUMAN	AV724885 HTB Hamo sepiens cDNA clane HTBACE02 6
4880	17897	30786	1.85	6.0E-54	4505806 NT	NT	Homo sapiens phosphatidylinosital 4-kinasa, catalytic, alpha polypeptide (PIK4CA) mRNA
4909	17826		1.23	6.0E-54	6.0E-64 Y09846.1	MT	H.sapiens sho pseudogene, p66 Isoform
5035	17926		1.27	6.0E-54	6.0E-54 Y09846.1	M	H.saplens shc pseudogene, p66 lsaform
11771	23926	37446	1.8	6.0E-54		ᅜ	Homo sapiens KIAA0071 protein (KIAA0071), mRNA
11771	23826	37447	1.6		11433623 NT	攴	Homo sapiens KIAA0071 protein (KIAA0071), mRNA
2180	l	28197	3.76	5.0E-54 P51528	P51523	SWISSPROT	ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2)
1 <u>8</u> 2	13284	-	319.6		4.0E-54 AF110103.1	¥	Tupela belangeri beta actin mRNA, partial cds
	<u> </u>						EST177696 Jurkat T-cells VI Homo sapiens cDNA 5 end similar to giyceraldehyde-3-phosphate
ŝ		20802	83.62			ESI HUMAN	assurfaction and a second and a
1822	14849	27842	2.91	4.0E-54		M	Human mKNA for KIAA0077 gene, partial cds
1822	14840	27843	2.91	4.0E-54	4.0E-54 D38521.1	NT	Human mRNA for KIAA0077 gene, partial cds
							wd28d11x1 Soares_NPL_T_GBC_S1 Homo septens cDNA clone IMAGE:2329289 3' similar to TR:002711
3217	16272		1.83		4.0E-54 Al935086.1	EST HUMAN	OOZ/11 PROFOLED I PASE POLYPROTEIN;
7524			0.68	4.0E-54	4.0E-54 BE544889.1	EST_HUMAN	601075004F1 NIH_MGC_12 Hamo sepiens dDNA done IMAGE:3461017 5
88	13209	26133	13.65	3.0E-54	3.0E-64 AA313487.1	EST_HUMAN	EST185371 Colon carcinoma (HCC) cell line Homo sapiens cDNA 5' end
2832	16631		1.1	3.0E-54	Al908757.1	EST_HUMAN	IL-BT189-190399-007 BT189 Homo saplens cDNA
6007		32290	1.52		3.0E-54 4502434 NT	¥	Homo sapiens BMX non-receptor fyrosine Kinase (BMX) mRNA
7619	20579	33942	1.49	3.0E-64	3.0E-64 AA844061.1	EST_HUMAN	a92c08.s1 Soares_parathyroid_turnor_NbHPA Homo sapiens cDNA clone IMAGE:1388270 3'
7619	20579	33943	1.49		3.0E-54 AA844081.1	EST_HUMAN	ei92c08.s1 Sceres_perethyroid_turnor_NbHPA Homo sepiens cDNA clone IMAGE:1388270 3'
8081	21018	34418	0.51	3.0E-54	3.0E-54 AI742822.1	EST_HUMAN	wg44b11.x1 Soares_NSF_F8_9W_OT_PA_P_S1 Hamo sepiens cDNA clone IMAGE-2367833 3'

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Table 4
Single Exon Probes Expressed in Bone Marrow

NO: NO: NO:	BLAST E	Scurce Scurce Scurce I HUMAN I HUMAN I HUMAN I HUMAN I HUMAN I HUMAN I HUMAN I HUMAN I HUMAN I HUMAN I HUMAN I HUMAN I HUMAN	Top Hit Descriptor  Homo septens serebobloally defined colon cancer antigen 10 (SDCCAG10), mRNA Homo septens pescedillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA 601896230F1 NIH_MCG_19 Homo septens cDNA cione IMAGE-41285S5 5 Homo septens similar to nuclear factor related to keppa B briding protein (H. septens) (LOCS3182), mRNA 2ux10e08.r1 Scenes_bests_NHT Homo septens cDNA cione IMAGE-731484 5 2ux10e08.r1 Scenes_bests_NHT Homo septens cDNA cione IMAGE-731484 5 2ux10e08.r1 Scenes_bests_NHT Homo septens cDNA cione IMAGE-731484 5 2ux10e08.r1 Scenes_bests_NHT Homo septens cDNA cione IMAGE-731484 5 2ux10e08.r1 Scenes_bests_NHT Homo septens cDNA cione IMAGE-731484 5 2ux10e08.r1 Scenes_bests_NHT Homo septens cDNA cione IMAGE-231484 5 2ux10e08.r1 Scenes for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein Homo septens RTB30 gene for RING finger protein AUT Scenes fetal liver spienn cDNA clone IMAGE-2010249 3 AUT Scenes fetal liver spienn cDNA clone IMAGE-2010249 3 AUT Scenes fetal liver spienn cDNA clone IMAGE-2010249 3 AUT Scenes fetal liver spienn cDNA clone IMAGE-2010249 3 AUT Scenes fetal liver spienn cDNA clone IMAGE-2010249 3 AUT Scenes fetal liver spienn cDNA clone IMAGE-2010249 3 AUT Scenes fetal liver spienn cDNA clone IMAGE-2010249 3 AUT Scenes fetal liver spienn cDNA clone IMAGE-2010249 3 AUT Scenes fetal liver spienn LINE3. SI Homo septens cDNA clone IMAGE-201034 Homo septens anystutidases El chonordoxyspiasia a punchata 1 (ARSE), mRNA Homo septens RNA f
20478 33839			Homo septens speckle-type POZ protein (SPOP), mRNA Homo sentions RCI 2 connected afternoons (RACs1), mRNA
21296 34711			Homo sepiens BCL2-associated afhanogene (BAG1), mRNA
93399 22364 35796 2.57	5.0E-55 4506302 NT		Homo sapiens protein tyrosine phosphatase, receptor type, alpha polypeptide (PTPRA) mRNA

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Single Exon Probes Expressed in Bone Marrow

igle Exon Plobes Explessed in Done Manow	Top Hit Descriptor	RC4-BT0310-110300-016-f10 BT0310 Hamo septems aDNA	Homo sapiens mRNA for KIAA0611 protein, partial cds	Homo sapiens mRNA for KIAA0611 protein, partial cds	Homo septiens nel (chicken) like 2 (NELL2), mRNA	Homo sapiens pescadillo (zebrafish) homotog 1, containing BRCT domain (PES1), mtVNA	EST370064 MAGE resequences, MAGE Homo sapiens cDINA	Homo sapiens RNA binding motif protein, Y chromosome, family 1, member A1 (RBMY1A1) miNNA	7j52b10x1 Scares_NSF_F8_9W_OT_PA_P_S1 Homo septens cDNA ctone IMAGE:3380043 3' smiller to contains 1.1.13 L1 repetitive element;	Homo sapiens proteesome (prosome, macropain) subunit, alpha type, 2 (PSMA2) mRNA	Homo sapiens protessome (prosome, macropein) subunit, alpha type, 2 (PSMAZ) mRNA	Homo sapiens diacylglycard kinase, gamma (90kD) (DGKG) mRNA	Homo sapiens diacylglycerd kinase, gamma (90kD) (DGKG) mRNA	Homo sapiens ubkultin-conjugating enzyme E2 varient 1 (UBE2V1) mRNA	Homo sapiens chromosome 21 segment HS21C010	43c5 Human retina cDNA randomly primed sublibrary Homo saptens CLINA	1886575F2 NIH MGC 17 Homo sapiens Curva didne imagic. 412000 0	7809A09 Chromosome 7 Fetal Brain cDNA Library Homo sapiens CLAVA Gare / DVBPUB	PM1-HT0603-090300-001-g08 H10603 Hamo sapiens CLAVA	Homo sapiens chromosome 21 segment HS21 CU64	Human endogenous retrovins pHE.1 (EKV9)	Human endogenatis removina LNA (4-1), companie regimen	Homo saplens syntadin-binding protein 1 (STXBP1) michA, and translated products	Homo sepiens ubiquifin protein ligase E3A (furman papilloma virus E0-essociated protein, Angelman syndrome) (UBE3A) mRNA	CM1-HT0876-150800-357-g03 HT0876 Homo sepiems cDNA	ULHF-BNO-eks-f-06-0-UL/1 NIH_MGC_50 Hamp sepiens cDNA clane IMAGE:3078275 5	hr76h08x1 NCI_CGAP_Kid11 Homo septens cDNA clone IMAGE:3134463 3'	hr76h08.x1 NCI_CGAP_Kid11 Homo septems cDNA clone IMAGE:3134463 3"	emp80n05.s1 Strategene schizo brain S11 Homo sapiens cDNA clone IMAGE:1684185 3' similar to contains	I HR b2 I HK repeative element;	VU-ENULY F-250-500-E10-group 14/ Truino especies Colves	WORDOX INC. COAP. COSA TAIN SEPARTS COAP TOTAL TITALS A SEPART SE	UTBOM NEMBAT MUID Square Contact Length Contact
Kon Frobes Ex	Top Hit Database Source	T_HUMAN	王 王	NT			EST_HUMAN E		L HUMAN							П	7		T HUMAN						T_HUMAN	EST_HUMAN U		Г		Т	Т	Т	ESI_HUMAN A
alguis	Top Hit Acession No.	5.0E-65 BE064386.1	5.0E-55 AB014511.1	6.0E-66 AB014611.1	5453765 NT	11417972 NT	4.0E-66 AW967994.1	4828973 NT	4.0E-65 BF081411.1	4508180 NT	4508180 NT	4603314 NT	4503314 NT	4507794	4.0E-65 AL163210.2		1	_	-	.2		2.0E-55 M10978.1	4507298 NT	4607798 NT	2.0E-85 BE719986.1	2		_				2.0E-55 AI439401.1	AU119344.1
	Most Similar (Top) Hit BLAST E Value	5.0E-65	5.0E-55	6.0E-66	5.0E-55	6.0E-55	4.0E-65	4.0E-55	4.0E-65	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-55	4.0E-66	4.0E-65	4.0E-55	3.0E-55	3.0E-55	3.0E-55	2.0E-55	2.0E-55	2.0E-55	2.0E-55	2.0E-55	2.0E-55	20E-65	2.0E-55		2.0E-55	2.0E-55	2.0E-55	2.0E-65
ļ	Expression Signal	6.	1.31	131	12	3.4	1.49	31.1	1.97	20.	<u>4</u>	8.73	8.73	2.05	Ŧ	2.89	3.64	0.78	1.91	1.9	224	1.59	3.26	1.02	2.19	0.60	0.51	0.51		6.16	0.78	0.43	187
	ORF SEQ ID NO:		36801	1	l		26088	26684		28078	28079	28134	28135	28354				33088			26391		86382						]_				87773
	SEQ ID	72827	23319	23319	23504	25189	15831	13737	14549	15059	15059	15114	15114	15330	21665	24503	25135	19805	25093	25580	13461	13623	13716	16028		<u>.</u>		L		$\perp$			24246
	Probe SEQ ID NO:	9674	10397	10397	10582	12419	29	673	1517	8	848	2097	2087	2319	8887	11563	12335	6761	12271	13007	377	553	929	2000	4808	77.47	06.70	9		9515	9636	10607	11298

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Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	601507718F1 NIH_MGC_71 Hamo septens cDNA clane IMAGE:3803076 6	Hamo septens mannose-6-phosphate receptor (cation dependent) (M8PR) mRNA	Oryctologus cunicutus New Zealand white elongation factor 1 alpha (Rebefla2) mRNA, complete cds	ov85g09.x1 Scares_testis_NHT Homo septens cDNA clone IMAGE:1644160 3'	Homo saplens mRNA for KIAA0903 protein, partial cds			Homo sapiens SMA3 (SMA3), mRNA	Homo sepiens testis-specific Testis Transcript Y 1 (TTY1) mRNA, partial cds	Human mRNA for HLA-A11E, a MHC class I molecule (major histocompatibility complex)	Homo saplens mRNA for KIAA0406 protein, pertial cds	Homo sapiens mRNA for KIAA0406 protein, pertial cds	Homo sapiens CLP mRNA, pertial cds	Homo saptens mRNA for KIAA1219 protein, pertiel cds	43c5 Humen retina cDNA randomly primed subilibrary Homo sapiens cDNA	Hamo sapiens chramosame 21 segment HS210067	Hamo sepiens chramosame 21 segment HS21C010	Ė	Homo sapiens DSCR56 mRNA, complete cds	Homo sapiens DSCR5b mRNA, complete cds	Homo sapiens hypothetical protein FL/20128 (FL/20126), mRNA	Homo sapiens PRO1851 mRNA, complete cds	Homo capiens hect domain and RLD 2 (HERC2), mRNA	Homo sapiens hect domain and RLD 2 (HERC2), mRNA	Homo sapiens F-box protein FBL4 (FBL4) mRNA, complete ods	Homo seplens discs, large (Drosophila) homolog 2 (chapsyn-110) (DLG2), mRNA	Homo sepiens discs, large (Drosophila) homolog 2 (chapsyn-110) (DLG2), mRNA	Homo sapiens SKAP65 hamologue (SKAP-HOM), mRNA	Homo sapiens phospholipid scramblase 1 gene, complete cds	Homo sapiens phosphollpid scrambiase 1 gene, complete cds	Human infant brain unknown product mRNA, complete cds	seq1575 b4HB3MA Cot8-HAP-Ft Homo septens cDNA clone b4HB3MA-COT8-HAP-Ft61 5' similar to similar to chinese Hamster DHFR-coamplified protein mRNA
Top Hit Database Source	EST HUMAN	N.	_ <u>F</u>	EST_HUMAN	NT	<b>EST_HUMAN</b>	EST_HUMAN	IN	NT	NT	ħ	NT	NT.	۲	EST_HUMAN	IN	NT	EST_HUMAN	NT	NT	NT	NT	NT	NT	NT	F	ᅜ	TN	뒫	¥	¥	EST_HUMAN
Top Hit Acession No.	2.0E-55 BE886059.1	4505060 NT	1.0E-55   109823.1	1.0E-55 AI026718.1	1.0E-66 AB020710.1	1.0E-55 BE277861.1	1.0E-55 BE277861.1	5803174 NT	1.0E-65 AF000990.1	1.0E-65 X13111.1	1.0E-66 AB007868.2	1.0E-55 AB007868.2	1.0E-55 L54057.1	1.0E-65 AB033045.1	1.0E-55 W28189.1	1.0E-55 AL163267.2	1.0E-55 AL163210.2	1.0E-65 N77261.1	1.0E-55 AB037163.1	1.0E-65 AB037163.1	8923125 NT	1.0E-55 AF119856.1	11433046 NT	11433046 NT	1.0E-55 AF199420.1	11432894 NT	11432994 NT	11421649 NT	1.0E-55 AF224492.1	1.0E-66 AF224492.1	1.0E-55 U50950.1	1.0E-65 T10045.1
Most Similar (Top) Hit BLAST E Vatue	2.0E-555	1.0E-55	1.0E-55	1.0E-55	1.0E-66	1.0E-55	1.0E-55	1.0E-66	1.0E-65	1.0E-65	1.0E-56	1.0E-55	1.0E-55	1.0E-65	1.0E-55	1.0E-55	1.0E-55	1.0E-55	1.0E-55	1.0E-65	1.0E-55	1.0E-55	1.0E-55	1.0E-55	1.0E-55	1.0E-55	1.0E-66	1.0E-55	1.0E-55	1.0E-65	1.0E-55	1.0E-55
Expression Signal	1.51	2.4	83.01	0.75	422	1.65	1.65	3.95	131	52.04	4.62	4.62	4.78	96.0	96'0	4.23	1.08	121	1.79	1.79	13	0.56	7	7	99.0	1.25		0.49	127	1.27	1.85	1.68
ORF SEQ ID NO:		26136	26218			27890	L		28378		28580	28581			28388				30789	30770	31063	31634	32718	32719		34704					L	
Exer SEQ ID NO:	24983	13212	13282	13845	14194	14988	14088	15344	15824	15527	15582	15562	<u></u>	15793	16468			17782	L	17882	18186	18671	19470	L			21280			L	L	
Probe SEQ ID NO:	12113	88	26	2/9	1152	1967	1967	2333	2345	2524	2561	2561	2819	289	3420	4015	4323	4762	4885	4886	5177	5275	6402	9402	7282	8321	8321	8410	8418	8418	11778	11795

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	Top Hit Descriptor	Homo sapiens DNA-binding protein (LOC56242), mRNA	601237702F1 NIH_MGC_44 Hamo sapiens cDNA clane IMAGE:3609552 5	yn62g03.r1 Soares adult brain N2b5HB55Y Homo sapiens cDNA clone IMAGE::173044 5' similar to contains THR repetitive element :	RC1-CT0252-231089-013-b07 CT0252 Homo sepiens cDNA	RC1-CT0252-231099-013-b07 CT0252 Hamo saplens cDNA	RC3-BN0063-170200-011-h01 BN0063 Homo sapiens cDNA	ULH-Blop-eau-e-05-0-Ul.s1 NCI_CGAP_Sub2 Hamo sapiens aDNA clans IMAGE:2710544 3'	43c5 Human retina cDNA randomly primed sublibrary Homo saplens cDNA	CHR220038 Chromosome 22 evon Homo sepiens cDNA clone C22_65 5	Homo sapiens beta-tubulin mRNA, complete cds	Homo saplens beta-tubulin mRNA, complete cds	Homo sapiens tubulin, beta polypeptide (TUBB) mRNA	Homo sapiens tubulin, beta polypeptide (TUBB) mRNA	Homo sapiens X-tinked antidrotito ectodermal dysplasia protain gene (EDA), exon 2 and flanking repeat	regions	wbostra.x1 NCL_CGAP_GG8 Homo septens oDNA clone IMAGE:2305191 3' strutlar to SW:DCOR_MUSPA P27119 ORNITHINE DECARBOXYLASE ;	WEGERBAYI NCI_CGAP_GC8 Homo septens cDNA done IMAGE:2305191 3' straiter to SW:DCOR_MUSPA	Homo seriens uncharacterized bone memory protein BM031 mRNA, complete cds	Homo sapians uncharacterized bone marrow protein BM031 mRNA, complete cds	Homo sapiens lymphocyte-specific protein 1 (LSP1) gene, LSP1-7 aliate, partial ods	tm65g12x1 NCI_CGAP_Bm26 Homo sepiens cDNA clone IMAGE:2163046 3"	tm66g12.x1 NCI_CGAP_Bm25 Hamo sapiens cDNA clane IMAGE:2163046 31	Homo sapiens hypothetical protein PRO1304 (PRO1304), mRNA	Homo sepiens 5'-3' excribonuclease 2 (XRNz), mRNA	EST28889 Cerebellum II Homo sapiens cDNA 5' end	EST28889 Cerebellum II Homo saplens cDNA 5' and	Homo sapiens MHC class 1 region	601310203F1 NIH_MGC_44 Hamp septems cDNA clame IMAGE:3631848 5	Homo sepiens chromosome 21 segment HS21C068	Homo sepiens superkiller viralickic activity 2 (S. cerevisiae homolog)-like (SKIVZL), mKNA	601438154F1 NIH_MGC_72 Hamo sepiens aDNA dane IMAGE:3823100 5
-	Top Hit Database Source		EST_HUMAN 0	EST HUMAN T	1	Т	EST_HUMAN R	EST_HUMAN U	П	EST_HUMAN C	H H	H				F.	EST HUMAN P	NALM IN TOO	Т			EST_HUMAN to	- HUMAN			EST_HUMAN E	EST_HUMAN E	NT I	EST_HUMAN 6			EST_HUMAN
19181110	Top Hit Acession No.	10567821 NT	9.0E-56 BE379074.1		3.1	-	<b>-</b> .	7.1	5.0E-58 W28189.1	5.0E-56 H55089.1	[		4507728 NT	4507728 NT		4.0E-56 AF003528.1	4.0E-56 AI632488.1	1 00 100 100 4			Ļ		4.0E-56 AI498068.1	8924029 NT	6912743	3.0E-56 AA325828.1	3.0E-56 AA325826.1	1	1	3.0E-66 AL163268.2	5902085 NT	3.0E-56 BE893572.1
	Most Similar (Top) Hit BLAST E Veitue	1.06-85	9.0E-56	7 OF-56 H19834 1	7.0E-58	7.0E-58	5.0E-56	6.0E-36	5.0E-58	5.0E-58	4.0E-56	4.0E-56	4.0E-56	4.0E-56		4.0E-56	4.05-56	93 10 1	4.05-30	A OF SR	4.0E-56	4.0E-56	4.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-58
	Expression Signal	1.74	1.89	a r	2.13	2.13	1.89	19:0	1.7	5.41	12.5	12.5	4.9	6.4		3.60	1.18		2.10	28.4	394	28.7	7.82	1.74	98.0	183	1.83	57.1	1.1	4.84	2.34	1.81
	ORF SEQ ID NO:	38374	33912	28753	34770	34230	27713			31309	28049	28050	28730	28731		28516	28644		CHOON S							L			29893	30368	30517	
	Ean SEQ ID NO:	24783	20551	46797	20845	20845	14731	22479	23676	25930	13150	13150	15713	15713		13598	15620		1302	10455	23782	24220	24220	_	L	16199	L	16887		17480	17624	17858
	Probe SEQ ID NO:	11902	7590	77.40	2002	2002	Ę	9516	10754	12507	8	ន	2719	2719		2823	28		2 2	8307	10872	11288	11288	1345	1778	3142	3142	3847	3838	4454	4603	4841

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Single Exon Probes Expressed in Bone Marrow

igle Excit Flobes Expressed in Both Marrow	Top Hit Descriptor	Homo sepiens sparo/ostbonectin, owov and kazal-like domains proteoglycen (testican) (SPOCK) mRNA	Homo sepiens spendosteonectin, cwcv and kazal-like domains proteoglycan (testican) (SPOCK) mRNA	Homo septems lysosomel-essociated membrane protein 2 (LAMP2), mRNA	Homo sapiens bone morphogenetic protein 5 (BMP5), mRNA	Homo sapiens mRNA for KIAA0145 protein, partial cds	Homo sapiens KIAA0317 gene product (KIAA0317), mRNA	Homo septens nuclear pore complex interacting protein (NPIP), mRNA	Homo sapiens nuclear pore complex interacting protein (NPIP), mRNA	Homo sapiens NACP/alpha-synuclein gene, exon 5	Homo saplens NACP/alphe-synuclein gene, exon 5	Homo sapiens cavedin 3 (CAV3), mRNA	Homo sepiens cavedin 3 (CAV3), mRNA	25/2208.s1 Stratagene neuroepithelium (#637/231) Homo saplens cDNA clone IMAGE:845/2063'	RC4-BT0310-110300-015-f10 BT0310 Homo septems cDNA	RC4-BT0310-110300-015-f10 BT0310 Homo sepiens cDNA	Human cGMP phosphodiesterase alpha subunit (CGPR-A) mRNA, complete cds	Human cGMP phosphodiesterase alpha subunit (CGPR-A) mRNA, complete cds	Homo saplens mRNA for KIAA1414 protein, partial cds	Homo sepiens gane for activin receptor type IIB, complete cds	AV703184 ADB Homo saplens cDNA clone ADBCFG10 5	Homo saplens SET domain and mariner transposase fusion gene (SETMAR) mRNA	Macaca fascicularis protein tyrosine phosphatase (PRL-1) mRNA, complete cds	hg23c11x1 NCL_CGAP_GC8 Homo septems dDNA clone IMAGE:2946452 31	hg23c11x1 NCI_CGAP_GC8 Homo sapiens cDNA clone IMAGE:294645231	QV-8T077-130199-079 BT077 Homo sapiens cDNA	MR3-ST0203-180100-208-h02 ST0203 Harro saplens cDNA	Homo saplens chromosome 21 segment HS210003	RC2-CT0163-220999-001-E02 CT0163 Hamp septems cDNA	QV0-OT0033-070300-152-h03 OT0033 Homo sepiems cDNA	Homo sapiens serine protease 17 (KLK4) gene, complete cds	Homo sapiens serine protesse 17 (KLK4) gene, complete cds	Homo sapiens mRNA for cyclin B2, complete cds
South Flobes	Top Hit Delabase Source	NT	¥	된	M	NT	M	M	¥	뒫	NĪ	M	Ę	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	ᅜ	Ę	¥	EST_HUMAN	노	N	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	EST_HUMAN	뒫	EST_HUMAN	EST_HUMAN	M	ᅜ	¥
Single	Top Hit Acession No.	4759163	4759163 NT	11421124 NT	11418704 NT	D63479.2	11434956 NT	5902013 NT	5802013		J46900.1	11434876 NT	11434876 NT	2.0E-56 AA199818.1	2.0E-56 BE084386.1	2.0E-56 BE084386.1			2.0E-56 AB037835.1	2.0E-56 AB008681.1	2.0E-56 AV703184.1	5730038 NT	1.0E-56 AF190930.1	1.0E-56 AW589833.1	1.0E-56 AW589833.1	1.0E-56 Al905162.1	1.0E-56 AW 609520.1	1.0E-56 AL183203.2	1.0E-56 AW845987.1	Ţ			9.0E-57 AB020981.1
	Most Similar (Top) Hit BLAST E Value	3.0E-56	3.05-58	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56	3.0E-56 U46900.1	3.0E-56 U46900.1	3.0E-56	3.0E-56	2.0E-56	2.0E-56	2.0E-56	2.0E-56 M26061.1	2.0E-56 M28061.1	2.0E-56/	2.0E-56	2.0E-56	2.0E-56	1.0E-56	1.0E-56	1.0E-56	1.0E-56/	1.0E-56	1.0E-56	1.0E-56	9.0E-57	9.0E-57	.9.0E-67	9.0E-57
	Expression	1.64	29.	5.05	5	1.12	1.63	4.57	4.57	7.15	7.15	289	289	1.92	202	2.02	1.22	1.22	1.52	1.74	1.18	1.24	1.28	2.08	208	122	0.56	0.61	1.82	2.17	1.51	1.51	223
	ORF SEQ ID NO:	32038	32030	33389	09258	2298	37265	38147	38148	38455	38456	31812	31813		26732	26733	28425	28426	28978	ļ .	29515	33604		29642	29843	30862	33435		36815		38050	38051	38320
	Exan SEQ ID NO:	18859	18859	20080	22134	23097	23766	24580	24580	24860	24860	25160	25160	13596	15849	15849	15400	15400	16059	16378	16590	20269	14032	16731	16731	18081	20121	23239	23330	13691	24494	24494	24733
	Probe SEQ ID NO:	5767	5787	7058	9168	10172	10846	11643	11643	11983	11983	12378	12378	9729	734	734	2332	2332	3001	<i>1</i> Z88	3544	1297	981	3688	8898	1209	6995	10315	10408	929	11554	11554	11850

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Single Exon Probes Expressed in Bone Marrow

		_	-	$\overline{}$	_	_		_	_	_	_	_	_	_		_	_		_	_	_	_	_	_	_	_	_	_				
Oligie Lydin i Ocea Lypicocca III Doile Marion	Top Hit Descriptor	Homo saplens hypothetical protein FLJ20371 (FLJ20371), mRNA	QV4-ST0234-181199-037-f05 ST0234 Homo septens cDNA	x05d10.x1 NCI_CGAP_Bm53 Homo saplens cDNA clone IMAGE:2759251 3' similar to gb:U05876 INTERFERON-GAMMA RECEPTOR BETA CHAIN PRECURSOR (HUMAN);	zv51b12.r1 Sceres_testis_NHT Homo sepiens cDNA clone IMAGE:757151 5	Homo sapiens glutamate receptor, ionotrophilo, AMPA 4 (GRIA4) mRNA	60094440F1 NIH_MGC_17 Hamo sapiens cDNA clane IMAGE:2890864 67	Homo sepiens accnitase 2, mitochandrial (ACO2), mRNA	Homo sapiens mRNA for KIAA0898 protein, partial cds	Homo septems mRNA for KIAA0890 protein, partial cds	Homo sepiens mRNA for KIAA0960 protein, partial cds	Homo sepiens KIAA0716 gene product (KIAA0716), mRNA	Homo septens mRNA for KIAA0837 protein, partial cds	Homo expiens mRNA for KIAA0837 protein, partial cds	Homo sapiens paired box gene 5 (B-cell lineage specific activator protatn) (PAX5), mRNA	Hamo septens hypofhetical protein FL/20371 (FL/20371), mRNA	Homo capiers Ras suppressor protein 1 (RSU1), mRNA	Homo sapians SH3-domain binding protein 1 (SH3BP1), mRNA	Homo sapiens SH3-domain binding protein 1 (SH3BP1), mRNA	Homo sapiens NME7 (NME7), mRNA	Homo sapiens NME7 (NME7), mRNA	Homo sepiens Kruppel-like factor 8 (KLF8), mRNA	Homo sapiens phosphatidylinosital 4-kinese 230 (pi4K230) mRNA, complete cds	Homo septems phosphatidylinosital 4-kinase 230 (pi4K230) mRNA, complete cds	Homo sepiens large conductance calclum- and voltage-dependent potassium channel sipha subunit (Madit)	The explored was distributed product parameter (P)	Italia adala Ad Porta adala Ingrata agricultura	Homb sapiens DNA, DLECT to ORCIL4 gene region, section 1/2 (DLECT, ORCIL3, ORCIL4 genes, complete cds)	Homo sapiens ubiquitin protein ligase E3A (human papilioma virus E6-associated protein, Angelmen	syndrome) (UBE3A) mRNA	Inc13707.s1 NCI_CGAP_Pri Homo sepiens cDNA clone IMAGE:1008037 shriter to SW:RS10_HUMAN P46783 40S RIBOSOMAL PROTEIN S10.;	EST54770 Hippocampus II Homo sapiens cDNA 5 end
20111102	Top Hit Deterbesse Source	IN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	N	IN	N	M	M	M	NT	TN	IN	M	IN	NT	NT	ħ	Į,	Z	IN	Ę	į		Z		Nī	EST_HUMAN	EST_HUMAN
Oilingio	Top Hit Acession No.	8923349 NT	8.0E-57 AW816405.1	8.0E-57 AW284689.1	1	4557830 NT	8.0E-67 BE288918.1	11418185 NT	8.0E-57 AB020705.1	8.0E-57 AB023177.1	AB023177.1	7662283 NT	AB020644.1	8.0E-57 AB020644.1	11428710 NT	8923349 NT	11431260 NT	11545732 NT	11545732 NT	7242158 NT	7242158 NT	F005979 NT	7.0E-67 AF012872.1	AF012872.1	144050 2	7.20-01 10 10-10-1	M2/1/33.1	4.0E-57 AB026898.1		4507798 NT	3.0E-67 AA230279.1	3.0E-57 AA348335.1
	Most Stmiler (Top) Hit BLAST E Vatue	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-67	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	8.0E-57	7.0E-67	7.0E-57	7.0E-57	7.0E-57	7.0E-57	7 05 57	1000	3000	4.0E-57		3.0E-67	3.0E-57	3.0E-57
	Expression Signal	1.11	3.14	9.74	2.19	1.11	1.32	1.69	0.54	12.65	12.65	0.71	2.69	269	0.44	2.8	1.67	3.29	1.39	1.09	1.09	0.65	263	263	8	3 8	83.5	212		0.83	68.40	0.95
	ORF SEQ ID NO:	28032	26319	28898	<u>.</u>		<b>9960</b> E							34358	37267	26032	29988	31751		15262	88282	85282	01/862	14862		18/08		29718		26813		28431
	Exan SEQ ID NO:	13134	13391	13940	14860	17962	18083	25849	19601	19686	19666				23768	13134	24960	25386	25386	16317	16317	16338	16931	16831	5	3	5000	16808		13863	14368	15407
	Probe SEQ ID NO:	14	297	885	1883	4946	5073	5312	6239	8089	8089	7682	8024	8024	10848	11807	12088	12733	12749	3263	3263	3284	3891	889	990	210	2002	3786		805	1334	2400

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Single Exon Probes Expressed in Bone Marrow

igie exon prodes expressed in Doine Mariow	Hit Descriptor Top Hit Descriptor	7733510.x1 NCI_CGAP_CLL1 Homo septens cDNA clone IMAGE:3296443 3' similar to WP:Y47145C.2 AAN (CE20263;	7733510 x1 NCI_CGAP_CLL1 Homo sepiens cDNA done IMAGE:3296443 3' shnitar to WP:Y47140C.2 AAN CE20263;	П				Homo sapiens hypothetical protein FLJ11656 (FLJ11656), mRNA	Homo sapiens hypothetical protein FLJ11656 (FLJ11659), mRNA	Homo septens KIAA0849 gene product (KIAA0849), mRNA	Human famesy pyrothosphate synthetase mRNA, complete cds	HUMAN AU117659 HEMBA1 Homo septens cDNA clone HEMBA1001910 5	Home sepiens hypothetical protein FLJ11656 (FLJ11659), mRNA	Homo sepiens hypothetical protein FLJ11656 (FLJ11658), mRNA				Homo sepiens SNARE protein kinase SNAK mraNA, complete cds	Hamo sapiens chramosome 21 segment HS21C004				Homo sepiens chronosome 21 segment HS210083	Homo sapiens chronosome 21 segment HS210008	2631-605,r1 Soeres retins NZ54HR Homo septems cDNA clone, IMAGE:380584 5 stratier to contains L1.43 L1		7n80f04.x1 NCI_CGAP_Ov18 Homo sapiens cDNA cione IMAGE:3570866 3' similar to contains TAR1.t1		Home expiens email inducible cyclotine subfamily A (Cya-Cys), member 22 (SCYA22), mRNA	Homo sepiens cell-line KG1 transcriptional regulatory protein p54 mRNA, complete ods	Homo sapiens 17-beta-hydrocysterold dehydrogenasa IV (HSD17B4) gene, excris 3 and 4	Homo sapiens hypothetical protein FL/20041 (FL/20041), mRNA	Homo sapiens hypothetical protein FL/20041 (FL/20041), mRNA
	Top Hit Database Source	EST_HUMAN	EST HUMAN	EST_HUMAN		<b>EST_HUMAN</b>	<b>EST_HUMAN</b>	攴	ا حا	F	IN	EST_HU	Į	F	EST_HUMAN	EST_HUMAN	NT	۲	토	<b>EST_HUMAN</b>	EST_HUMAN	EST HUMAN	ᅜ	¥		EST_HUMAN		EST HUMAN	Ę	M	F	5	닐
alguic	Top Hit Acessian Na	3.0E-67 BE676622.1	3.0E-67 BE678622.1	AW853984.1	11225808 NT	.1				11427757 NT	J06282.1	9.1	11545798	11545788 NT	3.0E-57 AW248374.1	3.0E-57 W23871.1		2.0E-57 AF246219.1			2.0E-57 R07702.1	2.0E-57 BE073264.1	2.0E-67 AL163283.2	2.0E-57 AL163206.2		2.0E-57 AA016131.1		2.0E-57 BF115286.1	11431281 NT	AF045452.1	AF057722.1	114	11424084 NT
	Most Similar (Top) Hit BLAST E Value	3.05-57	3.0E-67	3.0E-57	3.0E-57	3.0E-57	3.0E-57	3.0E-57	3.0E-57	3.0E-57	3.0E-57	3.0E-57	3.0E-57	3.0E-57	3.0E-57	3.0E-57	2.0E-57	2.0E-57	20E-57	2.0E-57	2.0E-57	2.0E-57	2.0E-67	2.0E-57		2.0E-57		2.0E-57	2.0E-67	2.0E-57	2.0E-57	2.0E-67	2.0E-57
	Expression	1.19	1.19	28.47	1.37	3.40	2.61	1.9	1.9	0.56	99.0	4.85	0.7	7.0	2.98	7.53	1.05	1.05	2.19	0.65	0.65	0.86	6.69	1.74		1.67	-	32.23	0.7	1.02	1.63	1.88	1.88
	ORF SEQ ID NO:	28724	28725		32450	32540	34870	34891	34892	35011	35160	35606	36060	36061	37729	31314	27504	27505	,	. 29529	29530	28807	30448	31027					32591	35368	36617	38097	38088
	SEQ ID NO:	15708	15708	16754	19220	18319	21452	21478	21478	24592	21739	22178	22609	60922	24207	25951	14533	14533	16498	16608	16608	16991	17561	18148		18845		19225	18355	21944	23130	24539	24539
	Probe SEQ ID NO:	27.14	27.14	3711	6145	6246	8484	8510	8510	8624	8772	8240	9098	9605	11254	12384	1500	1500	3462	3562	3562	3951	4538	5139		5751		6150	6283	8378	10205	11601	11601

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MIE EXOII FIODES EXPRESSED III DONG INCAIDA	Top Hit Descriptor	Homo sapiens partial mRNA for PEX5 related protein	Homo sapiens perital mRNA for PEX5 related protein	UI-HF-BNO-ekt-g-07-0-UI-M NIH_MGC_50 Homo septems cDNA clone IMAGE:3078348 5	h632e08.x1 NCI_CGAP_Lu24 Hamo sapiens aDNA clane IMAGE:3039062 3' similar to TR:000246 000246 HYPOTHETICAL 9.3 KD PROTEIN ;	ha33d06.x1 NCI_CGAP_Kd12 Homo sapiens cDNA clone IMAGE:2875499 3' similar to contains THR.b3	THR repetitive element;	EST11348 Uterus Homo saplens cDNA 5 end	601309465F1 NIH JMGC 44 Homo sepiens duna dana IMAGE:3031000 3	1445948F1 NIH MGC 65 Homo sapiens CUNA crone IMACE: 3850UZ11 5	t34607.X1 NCI_CGAP_Ov23 Hamo saptens cDNA clane IMAGE:2220181 3' samiler to 113:013479 O13476 UNNAMED HERV-H PROTEIN ;	tr34607.xf NCI_CGAP_OV23 Home septens cDNA clone IMAGE:2220181 3' straiter to TR:015475 015475	INVMED DEAY TO THE TANK THE THE THE THE THE THE THE THE THE THE	rights Septials Future in the interest of the	Homo sepiens putative protein O-mannosytransterase (POM I 2), mKNA	Home sepiens DHHC1 protein (LOC51304), mRNA	601346704F1 NIH_MGC_8 Hamo sepiens cDNA clans IMAGE:3687577 5	Homo sapiens MADS box transcription enhancer factor 2, polypeptide B (myocyte enhancer factor 2B) (MEF2B) mRNA	ULHF-BNO-elt-g-10-0-ULM NIH_MGC_50 Hamo saplens aDNA dane IMAGE:3079887 5'	UI-HF-BNO-eil-g-10-0-UI.r1 NIH_MGC_50 Hamo sapiens cONA clone IMAGE:3079867 5	AU130689 NT2RP3 Hamo sapiens cDNA clane NT2RP3001263 5	TCAAP1E1219 Pediatric acute myelogenous leukemia cell (FAB M1) Beykn-HGSC project≈1CAA Homo sapiens cDNA ctone TCAAP1219	TCAAPTE1219 Pediatric acute myslogenous leukemia cell (FAB M1) Baykor-HGSC project≓TCAA Homo	septens control of the complete MIP-2 gamma (MIP-2 gamma) mRNA, complete ods	Homo semiens tratein tunosine phosobatese. non-receptor (top 21 (PTPN21), mRNA	Jones emissions handheifered randach F 120454/ (F 120454) mRNA	All ordina appropriate process of the control of th	Homo sapients synaprogram 1 (STNAT), riminer	KCZ-NICUS/-1606U-010-003 NICUS/ Trains septens curva	CM3-UM0043-240300-12/-e0/ UM043-Hamp septens curve	CARS-UNIOUS-ZSUCOUS-12/1-507, UNIOUS-STUDIO SQUERIS CARS
אם פשמון וומ	Top Hit Database Source	N H	H IN	EST_HUMAN UI	EST_HUMAN H	Г	EST HUMAN T		П	EST_HUMAN 60	EST HUMAN UI		HOMAN				T_HUMAN		T HUMAN		EST_HUMAN A	EST_HUMAN S		ESI HOMAN					П	T	EST_HUMAN
	Top Hit Acession No.	2.0E-57 AJ245503.1	2.0E-67 AJ245503.1	Ļ	1.0E-67 BE043031.1		1.0E-57 AW 470791.1			8.0E-58 BE868715.1	8.0E-58 AI798376.1			114348Z1 NI	11434921 NT	7708132 NT	7.0E-58 BE561971.1	5174542 NT	_	Ļ				6.0E-58 BE242150.1	94740	1140404	IN LEGOZELL	07334			5.0E-58 AW 797948.1
	Most Similar (Top) Hit BLAST E Value	2.05-57/	2.0E-67	1.0E-67	1.0E-57		1.0E-57	9.0E-58	9.0E-58	8.0E-58	8.05-58		8.0E-58	8.0E-58	8.0E-58	8.0E-58	7.0E-58	7.05-68	7.0E-58	7.0E-58	8.0E-58	6.0E-58		6.0E-58	2 10 6	0.05-30	6.0E-58	5.0E-58	5.0E-58	5.0E-58	5.0E-58
	Expression Signal	1.74	1.74	9-7	4.47		3.66	1.01	2.37	2.43	284		2.84	1.98	1.98	2.65	98'0	498	2.79	2.70	4.05	1.62		29.	2 (	1.02	1.41		7.63		3.77
	ORF SEQ ID NO:	38145	1					32033	31738		26844					L	33769	ŀ	37753					78894		3/06/1				27195	
	SEQ ID	24579	24579	16264	22007		25261	18853	25424	13658	43724		13721	14899	14899	16045	20415	24457	24277	24227	15393	1		15970					13773		14239
	Probe SEQ ID NO:	11642	44842	2240	9041		12537	5760	12795	88	855		955	1874	1874	2987	7449	41303	11275	11275	2385	2843		2812	***	106/2	12629	300	711	1199	1189

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ACTIVITY OF THE PROPERTY OF TH	Stant ORF SEQ Expression (Top) Hit Acession Signel RLASTE No. Squree State Value	14239 27195 3.1 5.0E-58 AW 797948.1 EST HUMAN CMS-UM0043-240300-127-e07 UM0043 Homo septens cDNA	3.1	EST_HUMAN	30195 0.85 5.0E-58 Alg39745.1	2.2 5.0E-58 11496282 NT	32812 5.97 5.0E-58 H23072.1 EST HUMAN	32860 0.94 6.0E-58 AL163285.2	32951 1.16	20169 33492 0.7 6.0E-58 AF051334.1 INT (Homo saplens nibrin (NBS) mRNA, complete cds	33483 0.7 5.0E-58 AF051334.1 NT	33625 0.8 5.0E-58 4885400 NT	34683 7.52 5.0E-58 8922693 NT	35088 0.78 5.0E-58 AB0468	36103 1.34 5.0E-58 5231227 NT	36104 1.34 5.0E-58	36629 1.01 6.0E-58	36901 1.86 5.0E-38/AL103218.2 NT	. 37183 0.51 5.0E-58 AB014511.1 (NT	37184 0.51 6.0E-68 AB014511.1 (NT	2.17 6.0E-58 11526293 NT	1.48 6.0E-58 11428423 NT	2.08 6.0E-68	700000 4 DE 4 OE ED	20000 TOURS A A DE ES A A EN AS A TOUR DE ES	INITEDIATE OCCUPY TEN	1.14 4.0E-68 4503648 NT (F9) mfN/A	28881 2.02 4.0E-58 US6251.1	29308 1.11 4.0E-58 D16470.1 NT	29706 1.02 4.0E-58 6031660 NT	34454 0.69 4.0E-58 BE463857.1	38184 7.52 4.0E-58 11424059 NT	0.84 3.0E-58 R17878
	SEQ ID				17316	18804	18373	19597	5 19673		5 20169		2 21271										5 25565	49,450	1	1.	14497	15638	6 16387	3 16795	0 21057	1 24607	5 13424
	Probe SEQ ID NO:	1200	1200	3334	4287	5710	8302	8634	6815	6945	8	7313	8302	88	9696	9886	<del>5</del>	10482	1078	10768	12352	12791	13015	628			1464	2639	3336	3753	8120	11671	335

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Single Exon Probes Expressed in Bone Marrow

SEQ ID SEQ ID NO: NO: NO: NO: NO: NO: NO: NO: NO: NO:

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Part 128 88 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SEQ 10 NO: 1088 8888 8888 1128

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Top   Hard   Description   Top   Hard   Top   Top   Top   Hard   Top								
14278         27240         0.75         4.0E-69         4606818         NT           18711         31889         1.04         4.0E-69         11034810         NT           24977         31889         1.04         4.0E-69         7667428         NT           25810         2.08         4.0E-69         7667428         NT           13130         6.8         3.0E-69         7667428         NT           13130         6.8         3.0E-69         7667428         NT           14763         27738         11.42         3.0E-69         4606800         NT           14773         27738         11.42         3.0E-69         4606800         NT           16769         28177         6.05         3.0E-69         460680         NT           16778         28177         6.05         3.0E-69         460680         NT           16779         28177         6.05         3.0E-69         46028035.1         NT           16787         28781         1.68         3.0E-69         46028035.1         NT           16700         3.0E-69         A46028035.1         NT         NT           1787         3.0E-69         A46028074	Probe EQ ID NO:		ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Veitue	Top Hit Acession No.	Top Hit Detabase Source	Тор Hit Descriptor
19711         31869         1,04         4,0E-59         11034810 INT           24977         38676         1,6         4,0E-59         7657428 INT           25810         2,9         4,0E-59         AF057720.1         INT           13130         6,8         3,0E-59         AF05800 INT         INT           13130         27738         11,42         3,0E-59         AF05800 INT           14753         27739         11,42         3,0E-59         AF05800 INT           15169         28172         6,05         3,0E-59         AF05800 INT           16703         28172         6,05         3,0E-59         AF05800 INT           16704         28172         6,05         3,0E-59         AF05800 INT           16705         28171         6,05         3,0E-59         AF05801 INT           16878         28781         1,29         3,0E-59         AF05801 INT           17805         3,0E-59         AF05801 INT         INT           18978         3,0E-59         AF05801 INT         INT           18970         3,0E-59         AF05801 INT         INT           27222         3,6442         1,5         3,0E-59         AF05801 INT <t< td=""><td>1242</td><td></td><td></td><td></td><td></td><td>0917</td><td>NT</td><td>Homo sepiens phosphabdy/mositol-4-phosphabe 5-kinase, type II, beta (PIPSK2B) mRNA, and transleted products</td></t<>	1242					0917	NT	Homo sepiens phosphabdy/mositol-4-phosphabe 5-kinase, type II, beta (PIPSK2B) mRNA, and transleted products
26810         1.8         4.0E-59         7667428         NT           13130         6.8         3.0E-59         AF057720.1         NT           13130         6.8         3.0E-59         AF057720.1         NT           13130         2.8250         4.47         3.0E-59         AF058200 NT           14763         2.7736         11.42         3.0E-59         A505800 NT           14763         2.8172         6.05         3.0E-59         A505800 NT           15169         2.8172         6.05         3.0E-59         A5028035.1         NT           16503         2.8172         6.05         3.0E-59         A502804.NT         NT           16203         2.8172         6.05         3.0E-59         A502804.NT         NT           16203         2.8171         2.91         3.0E-59         A502804.NT         NT           16204         3.0E-69         A502804.NT         NT         NT           16703         2.8266         1.06         3.0E-59         A502804.NT         NT           16704         3.0E-89         A502804.NT         NT         NT         NT           2054         3.0E-89         A502804.NT         NT         NT<	5615	1	31889			11034810	NT	Homo sapiens ceterin (cadhern-essociated protein), defta 2 (neural plekophilin-related erm-repeat protein) (CTNND2), mRNA
25810         2.98         4.0E-59 AP057720.1         NT           13130         6.6         3.0E-59 AP057720.1         NT           13130         6.6         3.0E-59 AP057720.1         NT           13277         28.7         4.47         3.0E-59 AP057720.1         NT           14753         27736         11.42         3.0E-59 AP058035.1         NT           15169         28171         6.05         3.0E-59 AP058035.1         NT           16503         28171         6.05         3.0E-59 AP058035.1         NT           16503         28177         6.05         3.0E-59 AP058035.1         NT           16603         28177         6.05         3.0E-59 AP058035.1         NT           16878         28171         2.91         3.0E-59 AL180281.1         NT           16878         28781         1.28         3.0E-59 AP0581.1         NT           17896         1.6         3.0E-59 AP0581.1         NT         NT           20445         1.5         3.0E-59 AP0581.1         NT         NT           21232         3.4642         1.5         3.0E-59 AP0581.1         NT           21232         3.4643         1.5         3.0E-59 AP0581.1         NT <td>12107</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NT</td> <td>Hamo sapiens arigin recognition complex, subunit 6 (yeast hamolog)-like (ORCKL), mRNA</td>	12107						NT	Hamo sapiens arigin recognition complex, subunit 6 (yeast hamolog)-like (ORCKL), mRNA
13130         6.8         3.0E-59         AW865624.1         EST HUMAN           1327         28250         4.47         3.0E-59         7682247         NT           14753         27738         11.42         3.0E-59         4505890         NT           14753         27736         11.42         3.0E-59         4505890         NT           15158         28171         6.05         3.0E-59         4505800         NT           15169         28172         6.05         3.0E-59         4502014         NT           16203         28117         2.91         3.0E-59         4502014         NT           16204         28117         2.91         3.0E-59         4502014         NT           16205         2914         3.0E-59         4502014         NT           16206         3.0E-69         4502014         NT         NT           17722         30C26         1.68         3.0E-59         AL183284.2         NT           1786         3.0E-69         AL183284.2         NT         NT           21222         34642         1.5         3.0E-59         AL183284.2         NT           21222         3.0E-59         AL183284.2 <td>12492</td> <td>L</td> <td></td> <td>2.98</td> <td></td> <td>AF057720.1</td> <td>N.</td> <td>Homo sapiens 17-beta-hydrocysteroid dehydrogenase IV (HSD17B4) gene, promoter region and exon 1</td>	12492	L		2.98		AF057720.1	N.	Homo sapiens 17-beta-hydrocysteroid dehydrogenase IV (HSD17B4) gene, promoter region and exon 1
13327         28250         4.47         3.0E-59         7682247         NT           14753         27738         11.42         3.0E-59         4505890         NT           14753         27739         11.42         3.0E-59         4505800         NT           15168         28172         6.05         3.0E-59         4502014         NT           16203         29146         2.91         3.0E-59         4502014         NT           16204         29741         3.0E-59         4502014         NT           16205         2914         3.0E-59         4502014         NT           16206         3.0E-59         4502014         NT         NT           16207         2914         3.0E-59         4502014         NT           1780         3.0E-59         AL163284.2         NT         NT           18101         1.05         3.0E-59         A4502014         NT           21232         34642         1.5         3.0E-59         NT         NT           21232         34642         1.5         3.0E-59         X12556.1         NT           2232         3.0E-69         X12556.1         NT         NT	2	L		6.9		AW866524.1	I. K	EST377582 MAGE resequences, MAGI Homo capiens oDNA
14763         27738         11.42         3.0E-59         4505880 INT           14763         27736         11.42         3.0E-59         4506880 INT           15168         28172         6.05         3.0E-59         AB028035.1         INT           16203         2911         2.91         3.0E-59         AB028035.1         INT           16203         29117         2.91         3.0E-59         4502014 INT         INT           16878         29761         1.26         3.0E-59         4502014 INT         INT           16878         29776         1.66         3.0E-59         4502014 INT         INT           17895         3.0E-69         AL163284.2         INT         INT           118101         1.05         3.0E-59         AL163284.2         INT           118101         1.05         3.0E-59         AL163284.2         INT           21232         3.4642         1.5         3.0E-59         AL26250.1         INT           21232         3.4643         1.5         3.0E-59         XI2556.1         INT           223232         3.8810         0.84         3.0E-59         XI2556.1         INT           25211         2.57	82	13327	26250	4.47		7662247	L	Homo sapiens KIAA0880 gene product (KIAA0680), mRNA
14753         27730         11.42         3.0E-59         4506860 INT           15156         28171         6.05         3.0E-59         AB029035.1         INT           15168         28172         6.05         3.0E-59         AB029035.1         INT           16203         2911         3.0E-59         A502014 INT         INT           16203         29117         2.91         3.0E-59         4502014 INT           16203         29178         3.0E-59         4502014 INT           16878         29786         1.26         3.0E-59         4502014 INT           17895         3.0785         1.4         3.0E-59         4502014 INT           17804         3.0E-59         AL183284.2         INT           18101         1.05         3.0E-59         AL183284.2         INT           2123         3.0E-59         AL183284.2         INT         INT           2123         3.0E-59         AL183284.1         INT         INT           2123         3.0E-59         AL183284.1         INT         INT           2123         3.0E-59         AL183284.1         INT         INT           2123         3.0E-59         AL1817888 INT         IN	1723		27738				NT	Homo saplens plasminogen activator, tissue (PLATa) mRNA
15168         28171         6.05         3.0E-59         AB029035.1         NT           15168         28172         6.05         3.0E-59         AB028035.1         NT           16203         29116         2.91         3.0E-59         A502014         NT           16203         29117         2.91         3.0E-59         A502014         NT           16878         29781         1.26         3.0E-59         A50204         NT           17825         30785         1.4         3.0E-59         A4502014         NT           17826         30786         1.66         3.0E-59         A4502014         NT           18101         1.05         3.0E-59         A4502014         NT           20545         3.0E-59         M65881.1         NT           20546         3.0E-59         M65881.1         NT           2123         3.0E-59         X12556.1         NT           2123         3.0E-59         X12556.1         NT           22323         38810         0.84         3.0E-59         X12556.1         NT           22323         38810         0.84         3.0E-59         X10251.1         X10400           25210	1723		27730				NT	Homo eapiens placminogen activator, tissue (PLATa) mRNA
15168         28172         6.05         3.0E-59         AB028035.1         NT           16203         29116         2.91         3.0E-59         4502014         NT           16203         29117         2.91         3.0E-59         4502014         NT           16878         29781         1.26         3.0E-59         4502014         NT           17825         30785         1.4         3.0E-59         4502014         NT           17845         30785         1.4         3.0E-59         7427522         NT           18416         3.2856         1.05         3.0E-59         7427522         NT           20545         3.3866         1.5         3.0E-59         8624074         NT           2122         3.0E-59         X12556.1         NT         NT           21232         3.4643         1.5         3.0E-59         X12556.1         NT           21232         3.8809         0.84         3.0E-59         X12556.1         NT           25232         3.8810         0.84         3.0E-59         X10251.1         NT           25210         3.2589         0.84         3.0E-59         X10251.1         X10440	2139			6.05		AB029035.1	IN	Homo sepiens mRNA for KIAA1112 protein, partial cds
16203         2916         2.91         3.0E-59         4502014 INT           16203         28117         2.91         3.0E-59         4502014 INT           16878         28781         1.26         3.0E-59         4502014 INT           17826         30786         1.4         3.0E-59         4502044 INT           17826         30786         1.4         3.0E-59         AL183284.2         INT           18415         3.2856         1.05         3.0E-59         R4502074 INT         INT           20545         3.2856         1.05         3.0E-59         8824077 INT         INT           20546         3.2856         1.5         3.0E-59         8824077 INT         INT           21232         3.4643         1.5         3.0E-59         X12556.1         INT           21232         3.4643         1.5         3.0E-59         X12556.1         INT           21232         3.4643         1.5         3.0E-59         X12556.1         INT           25233         38810         0.84         3.0E-59         X10251.1         INT           25210         3.2529         0.84         3.0E-59         X10251.1         INT           2520	2139		28172			AB02903	NT.	Homo septens mRNA for KIAA1112 protein, partial cds
16203         29117         2.91         3.0E-58         4502014 NT           16878         29781         1.26         3.0E-59         4508044 NT           17722         30628         1.4         3.0E-59         4508044 NT           17855         30785         1.4         3.0E-59         7427522 NT           18101         1.05         3.0E-59         7427522 NT           18415         3.2856         1.05         3.0E-59         8824074 NT           20545         3.3866         2.12         3.0E-59         8824074 NT           21232         3.4643         1.5         3.0E-59         8824074 NT           21232         3.4643         1.5         3.0E-59         872556.1         NT           21232         3.4643         1.5         3.0E-59         872556.1         NT           21232         3.4643         3.0E-59         872556.1         NT           21232         3.8809         0.84         3.0E-59         870251.1         NT           25219         3.2589         1.417888 NT         871 HUMAN         2.0E-59         8F508383.1         EST HUMAN           20007         3526         0.81         2.0E-59         8F508383.1	3146		29116				FN	Homo sapiens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA
18878         29781         1.26         3.0E-59         4508044         NT           17782         30628         1.4         3.0E-59         AL182284.2         NT           17895         30786         1.66         3.0E-59         7427522         NT           16415         3.2866         1.05         3.0E-59         742752         NT           20646         3.2866         1.05         3.0E-59         8824074         NT           20646         3.2866         2.12         3.0E-59         8824074         NT           21232         3.4642         1.5         3.0E-59         X12556.1         NT           21232         3.4643         1.5         3.0E-59         X12556.1         NT           21232         3.4643         1.5         3.0E-59         X12556.1         NT           21232         3.8809         0.84         3.0E-59         X70251.1         NT           25219         3.2526         0.84         3.0E-59         11417888         NT           2521         3.2526         0.81         2.0E-59         BF508383.1         EST HUMAN           20007         3526         0.81         2.0E-59         BF508383.1 <t< td=""><td>3148</td><td></td><td>28117</td><td>2.91</td><td></td><td></td><td>NT</td><td>Homo sapians A kinase (PRKA) anchor protein 1 (AKAP1), mRNA</td></t<>	3148		28117	2.91			NT	Homo sapians A kinase (PRKA) anchor protein 1 (AKAP1), mRNA
1732         30628         1.4         3.0E-59         AL189284.2         NT           17896         30786         1.66         3.0E-59         7427522         NT           16416         3.2856         1.05         3.0E-59         8824074         NT           20546         3.3806         2.12         3.0E-59         8824074         NT           21232         3.4642         1.5         3.0E-59         X12556.1         NT           21232         3.4643         1.5         3.0E-59         X12556.1         NT           21232         3.4643         1.5         3.0E-59         X12556.1         NT           23328         3.8810         0.84         3.0E-59         X12556.1         NT           23328         3.8810         0.84         3.0E-59         X70251.1         NT           25219         1.57         3.0E-59         X70251.1         NT           25210         1.57         3.0E-59         11417888         NT           2521         1.57         3.0E-59         11417888         NT           2520         0.82         2.0E-59         BF508383.1         EST HUMAN           20007         35269         0.81 <td>3838</td> <td></td> <td></td> <td>1.20</td> <td></td> <td></td> <td>INT</td> <td>Homo sapiens zona pelluckia giyooprotein 2 (sperm receptor) (272) mRNA</td>	3838			1.20			INT	Homo sapiens zona pelluckia giyooprotein 2 (sperm receptor) (272) mRNA
17896         30786         1.66         3.0E-59         7427522         NT           18101         1.05         3.0E-59         Me5891.1         NT           19416         3.2856         1.08         3.0E-59         8824074         NT           20546         3.2809         2.12         3.0E-59         6484137         NT           21232         3.4643         1.5         3.0E-59         X12556.1         NT           21232         3.4643         1.5         3.0E-59         X12556.1         NT           23326         3.5809         0.84         3.0E-59         X70251.1         NT           25219         3.2830         0.84         3.0E-59         X70251.1         NT           2521         3.2529         X70251.1         NT         NT           2621         3.2529         11417888         NT           19070         32269         0.82         2.0E-59         BF508383.1         EST HUMAN           20007         3230         0.81         2.0E-59         BF508383.1         EST HUMAN           20007         35307         0.57         2.0E-59         BF308383.1         EST HUMAN           20109         0.52	4712						NT	Hamo sepiens chranosame 21 segment HS210084
18101         1.05         3.0E-59         M89381.1         NT           19416         3.266         1.98         3.0E-59         8924074         NT           20546         3.266         6.464137         NT         NT           21232         3.4642         1.5         3.0E-59         5464137         NT           21232         3.4643         1.5         3.0E-59         5464137         NT           25328         3.6809         0.84         3.0E-59         X7256.1         NT           25219         1.5         3.0E-59         X70251.1         NT         NT           25219         1.37         3.0E-59         X70251.1         NT         NT           25219         1.37         3.0E-59         X70251.1         NT         NT           26311         7.97         3.0E-59         11417888         NT         NT           18070         32269         0.82         2.0E-59         BF508383.1         EST HUMAN           20007         35307         0.67         2.0E-59         BF778073.1         EST HUMAN           20119         0.52         2.0E-59         BF378328.1         EST HUMAN           2022         2.0E-59 </td <td>4878</td> <td></td> <td></td> <td></td> <td></td> <td>7427522</td> <td>IN</td> <td>Homo sepiens protein tyrosine phosphatase, receptor type, T (PTPRT), mRNA</td>	4878					7427522	IN	Homo sepiens protein tyrosine phosphatase, receptor type, T (PTPRT), mRNA
19416         3.266.6         3.06-59         8824074         NT           20546         3.306-68         6464137         NT           21232         34642         1.5         3.06-59         X12556.1         NT           21232         34643         1.5         3.06-59         X12556.1         NT           23328         36809         0.84         3.06-59         X70251.1         NT           25219         1.5         3.06-59         X70251.1         NT           25219         1.37         3.06-59         X70251.1         NT           26311         7.97         3.06-59         11417868         NT           18070         32268         0.82         2.06-59         BF506383.1         EST HUMAN           20027         32369         0.82         2.06-59         BF506383.1         EST HUMAN           20027         35307         0.57         2.06-59         BF3073.3.1         EST HUMAN           20027         35307         0.57         2.06-59         BF373328.1         EST HUMAN           2019         0.52         2.06-59         BF373328.1         EST HUMAN           2025         2.06-59         AF435187.1         EST HUMAN </td <td>5091</td> <td></td> <td></td> <td>1.05</td> <td></td> <td>M95961.1</td> <td>Z</td> <td>Human prohomone converting encyme (NEC2) gene, econ 2</td>	5091			1.05		M95961.1	Z	Human prohomone converting encyme (NEC2) gene, econ 2
20546         33606         2.12         3.0E-69         6464137 NT           21232         34642         1.5         3.0E-59         X12556.1         NT           21232         34643         1.5         3.0E-59         X12556.1         NT           23328         36810         0.84         3.0E-59         X70251.1         NT           25219         1.37         3.0E-59         X70251.1         NT           25219         1.37         3.0E-59         11417868         NT           18070         32268         0.82         2.0E-59         BF508383.1         EST_HUMAN           20027         3239         0.82         2.0E-59         BF508383.1         EST_HUMAN           20027         35307         0.57         2.0E-69         BF308383.1         EST_HUMAN           21019         0.57         2.0E-69         BF313328.1         EST_HUMAN           22022         4.9         2.0E-69         BF373328.1         EST_HUMAN           22822         4.9         2.0E-69         BF373328.1         EST_HUMAN           22813         5.0E-69         AA309774.1         EST_HUMAN           22813         5.0E-69         BF3733228.1         EST_HUMAN <td>6346</td> <td></td> <td></td> <td>1.98</td> <td></td> <td>8924074</td> <td>NT</td> <td>Homo sapiens hypothetical protein PR01741 (PR01741), mRNA</td>	6346			1.98		8924074	NT	Homo sapiens hypothetical protein PR01741 (PR01741), mRNA
21232         34642         1.5         3.0E-59         X12556.1         NT           21232         34643         1.5         3.0E-59         X12556.1         NT           23328         36810         0.84         3.0E-59         X70251.1         NT           25219         1.37         3.0E-59         X70251.1         NT           25219         1.37         3.0E-59         11417868         NT           26311         7.97         3.0E-59         11417868         NT           18070         32288         0.82         2.0E-59         BF508383.1         EST HUMAN           20027         32369         0.81         2.0E-59         BF508383.1         EST HUMAN           20077         33307         0.67         2.0E-59         BF308383.1         EST HUMAN           21019         0.57         2.0E-59         BF373328.1         EST HUMAN           22022         4.9         2.0E-59         BF3733229.1         EST HUMAN           22822         4.9         2.0E-59         BF3733229.1         EST HUMAN           22813         1.55         2.0E-59         BF3733229.1         EST HUMAN	7684					6464137	NT	Homo sepiens nuclear receptor co-repressor 1 (NCOR1), mRNA
21232         34643         1.5         3.0E-59         X12566.1         NT           23326         3.8909         0.84         3.0E-69         X70251.1         NT           23219         1.37         3.0E-69         X70251.1         NT           25219         1.37         3.0E-69         11417868         NT           25311         7.97         3.0E-69         11417868         NT           18070         32288         0.82         2.0E-59         BF508383.1         EST_HUMAN           20027         32369         0.81         2.0E-69         BF508383.1         EST_HUMAN           20077         33307         0.67         2.0E-69         AF135187.1         NT           21019         0.52         2.0E-69         BF373328.1         EST_HUMAN           22822         4.9         2.0E-69         BF373328.1         EST_HUMAN           23813         1.55         2.0E-69         BF373328.1         EST_HUMAN	8263					X12556.1	NT.	Human mRNA for dbl proto-oncogene
23328         36809         0.84         3.0E-69 X70251.1         NT           23238         36810         0.84         3.0E-59 X70251.1         NT           25219         1.37         3.0E-59 X70251.1         NT           26311         7.97         3.0E-59 X70251.1         NT           18070         32268         0.82         2.0E-59 BF508383.1         EST HUMAN           20202         0.81         2.0E-59 BF508383.1         EST HUMAN           20007         33307         0.67         2.0E-59 BF508383.1         EST HUMAN           21019         0.52         2.0E-59 BF373329.1         EST HUMAN           22822         4.9         2.0E-59 BF378329.1         EST HUMAN           23813         1.55         2.0E-59 BF3783529.1         EST HUMAN	8263					X12556.1	NT	Human mRNA for dbl proto-ancogene
23228         36810         0.84         3.0E-59         X70251.1         NT           25219         1.37         3.0E-59         11417898 INT         11417898 INT           25311         7.97         3.0E-59         11417898 INT         11417898 INT           18070         32289         0.82         2.0E-59 BF508383.1         EST_HUMAN           20202         0.81         2.0E-59 BF508383.1         EST_HUMAN           2007         33307         0.67         2.0E-59 BF508383.1         EST_HUMAN           21019         0.52         2.0E-59 BF373329.1         EST_HUMAN           22822         4.9         2.0E-59 BF378329.1         EST_HUMAN           23813         1.55         2.0E-59 BF36554.1         EST_HUMAN	10404	L	36809	0.84		X70251.1	NT	H. sapiens CKII-alpha gene
25219         1.37         3.0E-59         11417888 INT           25311         7.97         3.0E-59         11417888 INT           19070         32288         0.82         2.0E-59 BF508383.1         EST_HUMAN           20202         0.81         2.0E-59 BF508383.1         EST_HUMAN           2007         33307         0.67         2.0E-59 BF508383.1         EST_HUMAN           21019         0.67         2.0E-59 BF378328.1         EST_HUMAN           22822         4.9         2.0E-59 BF378328.1         EST_HUMAN           23813         1.55         2.0E-59 BF36554.1         EST_HUMAN	<del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del> <del>2</del>	L.				X70251.1	Į,	H. saplens CKII-alpha gene
26311         7.97         3.0E-69         11417888 NT           19070         32289         0.82         2.0E-59 BF508383.1         EST_HUMAN           20202         0.82         2.0E-59 BF508383.1         EST_HUMAN           20207         38307         0.61         2.0E-59 BF508383.1         EST_HUMAN           21019         0.57         2.0E-59 BF35187.1         NT           22022         4.9         2.0E-59 BF373328.1         EST_HUMAN           22822         4.9         2.0E-59 BF36554.1         EST_HUMAN           23813         1.55         2.0E-59 BF36554.1         EST_HUMAN	12470			1.37			. LN	Homo sapiens gamma glutamytransferase-like activity 1 (GGTLA1), mRNA
19070         32288         0.82         2.0E-59 BF508383.1         EST_HUMAN           2020Z         32289         0.82         2.0E-59 BF508383.1         EST_HUMAN           2020Z         0.61         2.0E-59 BF508383.1         EST_HUMAN           20007         33307         0.67         2.0E-59 AF135187.1         NT           21019         0.62         2.0E-59 BF373328.1         EST_HUMAN           2282Z         4.9         2.0E-59 AF309774.1         EST_HUMAN           23813         1.55         2.0E-59 BF36554.1         EST_HUMAN	12612	L		76.7	L	1441	M	Homo sepiens gamma-glubamyfransfereso-like activity 1 (GGTLA1), mRNA
19070         32269         0.82         2.0E-59         BF509383.1         EST_HUMAN           20202         0.81         2.0E-59         AA470073.1         EST_HUMAN           20007         33307         0.57         2.0E-59         AF135187.1         NT           21019         0.62         2.0E-59         BF373328.1         EST_HUMAN           23813         4.8         2.0E-59         AA309774.1         EST_HUMAN           23813         1.55         2.0E-59         BF365554.1         EST_HUMAN	5885	L				BF508383.1	EST_HUMAN	UI-H-BI4-eoy-b-02-0-UI,s1 NCI_CGAP_Sub8 Hamo sepiens aDNA clane IMAGE:3086522 3'
20202         0.81         2.0E-69 AA470073.1         EST_HUMAN           20007         35307         0.57         2.0E-58 AF135187.1         NT           21019         0.52         2.0E-58 BF373328.1         EST_HUMAN           22822         4.9         2.0E-58 AA309774.1         EST_HUMAN           23813         1.55         2.0E-59 BF365554.1         EST_HUMAN	5885	l				BF509383.1	EST_HUMAN	UI-H-BI4-eoy-b-02-0-UI,s1 NCI_CGAP_Sub8 Homo septems cDNA clone IMAGE:3086522 31
20007         33307         0.57         2.0E-59 AF135187.1         NT           21019         0.62         2.0E-59 BF373329.1         EST_HUMAN           22822         4.9         2.0E-59 AR309774.1         EST_HUMAN           23813         1.56         2.0E-59 BF365554.1         EST_HUMAN	60709	ı				AA470073.1	EST_HUMAN	208c05.s1 Scares_testis_NHT Homo sapiens cDNA clone IMAGE:730377 3'
21019         0.52         20E-59 BF373329.1         EST HUMAN           22822         4.9         2.0E-59 AA309774.1         EST HUMAN           23813         1.55         2.0E-59 BF365554.1         EST HUMAN	7272		33307	0.57		AF135187.1	IN	Homo sapiens interferon-induced protein p78 (MX1) gene, complete cds
22822 4.9 2.0E-69 AA309774.1 EST_HUMAN 22813 1.55 2.0E-69 BF365554.1 EST_HUMAN	8082			0.52		BF373329.1	EST_HUMAN	MR0-FT0144-250700-002-e10 FT0144 Homo sepiens cDNA
23813 1.56 2.0E-59 BF365554.1 EST_HUMAN	9895			4.9		AA309774.1	EST_HUMAN	EST180633 Jurket T-cells V Hamo sepiens aDNA 6' end
	10893			1.55		BF36554.1	EST HUMAN	RCO-NT0036-100700-032-607 NT0036 Homo sepiens cDNA

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Single Exon Probes Expressed in Bone Marrow

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Probe SEQ ID S NO:	Eten SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similer (Top) Hit BLAST E Veitue	Top Hit Acessian No.	Top Hit Detabase Source	Top Hit Descriptor
11180	24136	37667	2.34	2.0€-59	2.0E-59 AW410698.1	EST HUMAN	fh07h04.x1 NIH_MGC_17 Homo sepiens cDNA clone IMAGE-2861654 57
11180	24136	37668	234	2.0E-59	2.0E-59 AW410698.1	EST HUMAN	ffro7h04.x1 NIH_MGC_17 Hamo sapiens cDNA clane IMAGE:2881654 67
12873	26158	31867	98.9	20E-59	[	EST HUMAN	wa38c12.x1 NCJ_CGAP_Kid11 Homo sapiens cDNA done IMAGE:2300182 3' similar to TR:086542 Q86542 RTVL-H PROTEIN; contains LTR7.b1 LTR7 repetitive element;
12884	25836	31428	4.02	20E-59		¥	Hamo sepiens alpha-tubuin mRNA, complete ads
至	13267		18.92	1.0E-50	1.0E-59 BE298411.1	EST_HUMAN	601176757F1 NIH_MGC_17 Homo sepiens cONA clone IMAGE:3531927 5
188	15624		3.89	1.0E-59		EST HUMAN	OASGI11.81 NCI_CGAP_GCB1 Homo septens cONA clone IMAGE:1309029 3' straight to TR:013537 013537 MER37 TRANSPOSABLE ELEMENT, COMPLETE CONSENSUS SEQUENCE.;
1812	20761	34137	1.18	1.0E-59		ĮN.	Homo sepiens mRNA for transcription factor
7988	20825	34319	1.07	1.0E-59	4	EST_HUMAN	801111961F1 NIH_MGC_18 Hamo sapiens aDNA clane IMAGE:3352682 5
7986	20825	34320	1.07	1.0E-59	1.0E-89 BE256814.1	EST_HUMAN	601111851F1 NIH_MGC_18 Hamo septens cDNA clane IMAGE:3352682 5
3740	22768	36222	0.85	1.0E-59	11419830 NT	NT	Hamo septens zinc finger protein 275 (ZNF275), mRNA
8888	22890	38351	0.54	1.0E-59	11428849 NT	NT	Homo sepiens 3-hydraxyisobutyny-Coenzyme A hydrolese (HIBCH), mRNA
3966	22890	38362	0.54	1.0E-59	11428849	IN	Hamo sapiens 3-hydraxysobutyny-Coenzyme A hydratase (HIBGH), mRNA
11201	20761	34137	9.85	1.0E-59		NT	Homo sepiens mRNA for transcription factor
764	13824	28768	229	8.0E-60	8.0E-60 AW977845.1	EST_HUMAN	EST389849 MAGE resequences, MAGO Hamo sapiens cDNA
1467	14500	27474	2.85	8.0E-60	4759159 NT	NT	Hamo sapiens smell nuclear ribonucleoprotein D3 polypeptide (184D) (SNRPD3) mRNA
2182	15197	28217	2.65	8.0E-60	5174858 NT	NT	Hamo saplens differentiation-related gane 1 (nickel-specific Induction protein) (RTP) mRNA
2482	16197	28218	2.65	8.0E-60	5174656 NT	NT	Hamo sapiens differentission-related gane 1 (nickel-specific Induction protein) (RTP) mRNA
6094	19173	32389	0.94	8.0E-60	8.0E-60 AB029004.1	NT	Hamo sapiems mRNA for KIAA1081 protein, partial cds
8999	19710	32987	1.01	8.0E-60	8.0E-60 S83182.1	N	hyaturonan-binding protein≔hepatocyte growth factor activator homolog [human, plasma, mRNA, 2408 nt]
7962	20803	34285	0.89	8.0E-60	11420841 NT	NT	Homo sapiens phosphate cyldyfytransferase 1, choline, beta isoform (PCYT1B), mRNA
8528	21267	34678	237	8.0E-60	8.0E-60 X17033.1	NT	Human mRNA for integrin alpha-2 subunit
1623	22257	35687	2.68	8.0E-60	11428049	NT	Homo sepiens S-antigen; retina and pineal gland (arrestin) (SAG), mRNA
8838	22875	36130	12	8.0E-60	- 11417118 NT	NT	Hamo sapiens KIAA0433 protein (KIAA0433), mRNA
9828	22875	38131	. 12	8.05-80	11417118 NT	אַנ	Homo septens KIAA0433 protein (KIAA0433), mRNA
10038	23858	37873	0.68	8.0E-60	5453997 NT	IN	Homo sapiens RAN binding protein 7 (RANBP7), mRNA
11182	24138	37670	4.65	8.0E-60	8.0E-60 AL163204.2	NT	Hamo septens chranosame 21 segment HS21C004
11182	24138	37671	4.65	8.0E-60	8.0E-60 AL163204.2	NT	Homo sepiens chromosome 21 segment HS21C004
755	13816	26760	30.34	7.0E-60		NT	Homo sepiens WHC class 1 region
758	13818	26760	69.13	7.0E-60	AF05506	M	Hamo sepiens MHC class 1 region
816	13874	26822	1.17	7.0E-60	4504634 NT	NT	Homo septems interfeuktn 10 receptor, beta (IL10RB), mRNA
2138	15155	28170	1.04	7.0E-60	7.0E-60 AF077188.1	NT	Homo septens cuttin 4A (CUJL4A) mRNA, complete cds

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Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Homo sapiens mRNA for KJAA0581 protein, partiel cds	Homo sepiens antithine decarbacylese 1 (ODC1) mRNA	Homo sapiens ALR-like protein mRNA, partial cds	yr/2004.r/ Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:205087 5' similar to contains	LIKO repontivo everinenti,	yn/2004.71 Scares fetai Iwer spieen 1NFLS Framo sapiens CLINA Gone IMAGE::205007 3 similar to comains LTR5 repetitive element;	601658751R1 NIH_MGC_69 Hamo sepiems cDNA dame IMAGE:3880069 3'	Homo saplans cAMP response element-binding protein CRE-BPa (H_GS165L15.1), mRNA	yq78h06.r1 Soares fetal liver spleen 1NFLS Homo sapiens oDNA clone IMAGE:201953 5' similer to contains OFR repetitive element;	WIFS207.x1 Sogres, NPL_T_GBC_S1 Hamo saplens cDNA clane IMAGE-23592723"	WESCOTX1 Soares_NRT_GBC_S1 Homo sapiens cDNA clone IMAGE_23592723'	UI-HF-BNO-ekt-g-07-0-UI1 NIH_MGC_60 Homo sepiens cDNA clone IMAGE:3078348 5	UI-HF-BNO-aid-g-07-0-UI.rl NIH_MGC_60 Homo sepiens cDNA clone IMAGE:3078348 5	T11498 Uterus Homo sapiens cDNA 5' end similar to stmilar to retrovirus-related pol	Ing1f05x1 NGL CGAP_Kid11 Home sapiens cDNA done IMAGE:3134913 3' similar to SW:RHOP_MOUSE   Q61085 GTP-RHO BINDING PROTEIN 1;	Homo septens chromosome 21 segment HS21C078	Homo espiens v-raf-1 murine leukernia viral oncogene homolog 1 (RAF1), mRNA	Homo sapiens w-raf-1 mutine leutremia viral oncogene homolog 1 (RAF1), mRNA	601336446F1 NIH_MGC_44 Hamo sepiens cDNA clane IMAGE:3690395 5	601336446F1 NIH_MGC_44 Hamo sepiens cDNA clane IMAGE:3690395 5	Homo sepiens prohibitin (PHB) mRNA	Hamo septens Xq pseudosutosomal region; segment 1/2	QV4-NN1149-250900-423-f01 NN1149 Homo saplens cDNA	RGS-LT0023-200100-012-401 LT0023 Hamo septems GDNA	deon'n 1. ys NGL_CGAP_Kld3 Homo sepiens dONA done IMAGE: 1534053 5' similar to SW: UDP_MOUSE	PEXIZA URIDINE PHOSPHORYLASE;	Homo sapiens proline dehydrogenase (proline addase) (PRODH) mRNA	Homo septens proline dehydrogenase (proline addase) (PRODH) mRNA	ox56d09.x1 Soares_NhFMPu_S1 Homo sepiens cDNA clone IMAGE:1680337 3' shnilar to SW.FORM_MOUSE Q05980 FORMIN ;	Homo septens protine dehydrogenase (proline addase) (PRODH) mRNA
Top Hit Database Source					EST HUMAN	EST HUMAN LT			EST HUMAN	Т	Т	Г	Г	EST HUMAN E		Γ			T HUMAN	EST HUMAN K		H H	EST HUMAN Q	EST HUMAN IR		EST HUMAN P				74644 NT H
Top Hit Acession No.	7.0E-60 AB011153.1	4505488 NT	7.0E-80 AF284750.1				27	1735		-		-					33697	11433597 NT			6031190 NT	3.0E-80 AJZ71735.1		3.0E-60 AW 836196.1		3.0E-60 AI792814.1	5174844 NT	5174644 NT	3.0E-60 AID40235.1	
Most Similar (Top) Hit BLAST E Vatue	7.0E-60/	7.0E-60	7.0E-80/		7.0E-60 H58041.1	7.0E-80 H58041.1	6.0E-90	8.0E-80	8 DE-80 H52458.1	5.05-00	5.05-60	4.0E-80	4.0E-80/	4.0E-80	4 05 00	4.0F-60	4.0E-90	4.0E-80	3.0E-60	3.0E-80	3.0E-60	3.05-80	3.05-80	3.0E-60		3.0E-60	3.0E-80	3.0E-80	3.0E-60	3.0E-60
Expression Signal	1.18	3.1	0.72		3.69	1.57	191	0.68	e e	1.13	1.13	1.25	125	131	8	05.0	1.7	1.7	4.44	4.4	1.88	227	211	244		0.85	6.22	522	0.58	42
ORF SEQ ID NO:	28806	30124	30519		38161	38236	28224	34483		26123	28124	28284	1_				38127			27801		30338	31466	L		31263	35135			
SEQ ID NO:	15788	172371	17627		22703	24657	15204	21094	247.67	13200	1320	16258	1 _	<u> </u>	1	1	1_		L	1_	$L_{-}$	17510	L	18818		18375	1 _	L		22060
Probe SEQ ID NO:	2786	4208	4606		9762	11600	288	8138	Soc o	2	2	2044	2244	2884	200	2 2	11628	11628	1878	1876	1885	4485	5462	5724		7143	8745	8745	0808	8 4

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Single Exon Probes Expressed in Bone Marrow

Ingle Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	601646227F1 NIH_MGC_60 Hamo expiens cDNA clane INAGE:3830890 5	ab07h04.r1 Strategene lung (#837210) Homo sapiens cDNA cione IMAGE:840151 5' strailar to contains LTR10.t1 LTR10 repetitive element;	Homo septens solute cerrier (SLC25A18) mRNA, complete cds; nuclear gene for mitochandrial product	H. sapiens 41kDa protein kinase related to rat ERK2	Human bcr protein mRNA, 5' end	Homo sapiens solute carrier (SLC25A18) mRNA, complete cds; nuclear gene for mitochondrial product	RC1+HT0288-031239-012-f02 HT0268 Homo sapiens cDNA	Homo saplens interleukin 17 receptor (IL17R), mRNA	EST380114 MAGE resequences, MAGO Homo sapiens cDNA	Homo sapiens wraf murine sercome wirel oncogene homotog B1 (BRAF) mRNA	Homo saplens chromosome 21 unknown mRNA	UHH-BW1-amis e-05-0-ULs1 NCI_CCAP_Sub7 Hamo sepiens cDNA clane IMAGE:3070852 3'	nn01f12.y5 NCI_CGAP_Co9 Homo sepiens cDNA clone IMACE:1078495 5 similar to contains THR.f1 THR	repetitive element ;	Homo sepiens pro-alpha 2(1) collegen (COL1A2) gene, complete cds	Homo septens DNA polymerase zeta catalytic subunit (REV3) mRNA, complete cds	Homo saplens corticotropin releasing hormone receptor 2 (CRHR2) mRNA	Homo sapiens corticotropin releasing hormone receptor 2 (CRHR2) mRNA	EST181949 Jurkat T-cells V Homo saplens cDNA 5' end sknifer to similar to profrymosin, alpha	EST181949 Jurkat T-cells V Homo sapiens cDNA 5' end similar to similar to profrymosin, alpha	tb23d09.x1 NCI_CGAP_Kid12 Homo septiens cDNA done IMAGE:2055185 3" similar to SW:GALR_RATT Q62805 GALANIN RECEPTOR;	UHH-BW1-emu-c-02-0-UI.s1 NCI_CGAP_Sub7 Homo sapiens cDNA clone IMAGE:3071210 3'	HS15BEST human adult teetis Homo sepiens cDNA done CAM_tEST16	Human pre-B cell stimulating factor homologue (SDF1b) mRNA, complete cds	Homo sapiens sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A (SEMA6A), mRNA	Homo septens sema domain, transmembrane domain (TMI), and cytopiasmic domain, (semaphorin) 6A (SEMA6A), mRNA	CM0-CT0013-290699-017-ft/3 CT0013 Homo sepiens cDNA	CM0-CT0013-290699-017-f03 CT0013 Homo sepiens cDNA
Xon Probes E	Top Hit Database Source	EST_HUMAN	EST_HUMAN	<u> </u>	Ę	E E	Ę	EST_HUMAN		EST_HUMAN		Þ	EST_HUMAN	Г	T_HUMAN	IN IN	I LV			LHUMAN	EST_HUMAN E			Т	F			T_HUMAN	П
alguic	Top Hit Acessian No.	3.0E-60 BF102612.1	3.0E-60 AA485288.1	2.0E-60 AY008285.1		2.0E-80 M24603.1		2.0E-60 AW380450.1	857229	2.0E-60 AW978005.1	4757867 NT	2.0E-60 AF231919.1				2.0E-60 AF004877.1	2.0E-60 AF157476.1	4503044	4503044 NT	1	2.0E-60 AA311159.1	2.0E-60 Al308124.1	2.0E-80 BF512808.1			11991659 NT	T1991659 NT	2.0E-60 AW751191.1	
	Most Similar (Top) Hit BLAST E Value	3.0E-60	3.0E-60	2.0E-60	2.0E-60 Z11694.1	2.0E-60	2.0E-60	2.0E-60	2.0E-60	2.0E-60	2.0E-60	2.0E-60/	2.0E-60		2.0E-60/	2.0E-60	2.0E-60	2.0E-60	2.0E-60	2.0E-60/	2.0E-60	2.0E-80	2.0E-80	2.0E-60 X85597.1	2.0E-60 L36033.1	2.0E-80	2.0E-80	20E-80/	2.0E-60/
	Expression	0.42	1.53	1.7	2.70	1.34	1.01	1.78	1.38	0.94	1.49	0.83	0.65		0.9	1.49	0.92	2.05	2.05	6.6	8.8	0.53	1.08	1.09	4.86	22	22	1.9	1.9
	ORF SEQ ID NO:	38411		28064	27428	27747	27758	28520	28637	28733	29557	29889			32752	32974	33224	31279	31280	33630	33631	33755		34722	35618	36740	36741	38561	38562
	SEQ D NO:	22944	25871	13163	14454	14764	14773	15495	15612	16716	16637	16975	17182		19499	19698	19927	18359	18359	20288	20288	20401	20837	21307	22185	23261	23261	24965	24985
	Probe SEQ ID NO:	10017	12970	8	1421	1734	1743	2492	2614	2724	3592	3835	4161		<b>64</b> 33	6640	6874	7027	7027	7317	7317	7434	\$ E	8838	8218	10337	10337	12094	12094

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	Top Hit Descriptor	Homo sapiens non-histone chromosome protein 2 (S. cerewisiae)-like 1 (NHP2L1), mRNA	Homo sapiens somatostatin receptor subtype 3 (SSTR3) gene, 6" flanking region and partial ods	Homo sapiens similar to HSPC022 protein (H. sapiens) (LOC83504), mRNA	Hamo sapiens gene for AF-8, complete ads	PMS-HT0605-270200-001-e06 HT0605 Homo sepiens cDNA	AU143389 Y79AA1 Homo sepiens cDNA clone Y78AA1001854 5'	Homo saplens chromosome 21 segment HS21C085	RC4-BT0311-141199-011-h06 BT0311 Homo sepiens cDNA	nco4e12.r1 NCI_CGAP_Pr1 Homo sapiens cDNA clone IMAGE:1007182 similar to contains L1.t1 L1 nspetitive element;	AV754081 TP Homo seplens cDNA clone TPGAED05 6	AU118344 HEMBA1 Hamo saplens cDNA clone HEMBA1005583 5'	Homo saplens PHD finger protein 2 (PHF2) mRNA	Homo septens PHD finger protein 2 (PHF2) mRNA	WIDSD10x1 NOLCGAP_Cos Homo septems cDNA clone IMAGE-2508555 3'	wt05b10.x1 NCI_CGAP_Cc3 Hamo sepiens cDNA clane IMAGE:2508555 3'	Human endogenous retrovirus pHE1 (ERV9)	Inn58g06.s1 NCI_CGAP_Lar1 Homo septens cDNA clone IMAGE:1088218 3	ys12s09.rt Soares fetal liver spisen 1NFLS Homo sapiens cDNA clone IMAGE:214800 5 similar to SP:C40H1.1 CE00109 OVARIAN PROTEIN ;	ys12e09.r1 Soares fetal iver spieon 1NFLS Homo sapiens cDNA clone IMAGE:214800 5' similar to SP:C40H1.1 CE00109 OVARIAN PROTEIN ;	Homo sapiens PXR2b protein (PXR2b), mRNA	Homo sapiens PXR2b protein (PXR2b), mRNA	601300838F1 NIH_MGC_21 Homo septens cDNA clone IMAGE:3635480 5"	601300838F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3635480 5	Hamo sapiens PRO2014 mRNA, complete cds	601109238F1 NIH_MGC_18 Homo septens cDNA clone IMAGE:3350145 5	Imb6h09.s1 NCI_CGAP_Lar1 Hamo saptens cDNA clone IMAGE:1088897 3'	Homo sepiens solute cerrier (SLC25A18) mRNA, complete cds; nuclear gene for mitochondrial product	AU130689 NT2RP3 Hamo sepiens cDNA clane NT2RP3001263 5	Ig-beta/B29=CD79b (alternatively spliced) [human, B cells, mRNA Partia, 375 m]	Human autosomal dominant polycystic kdney disease protein 1 (PKD1) gene
Tomal I I I I	Top Hit Database Source	M	N	M	NT	EST_HUMAN	EST HUMAN	N	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	N.	Ę	EST_HUMAN	EST HUMAN	K	EST_HUMAN	EST_HUMAN	EST HUMAN	NT	Z,	EST_HUMAN	EST HUMAN	NT	EST HUMAN	EST HUMAN	NT	EST_HUMAN	NT	<u> </u>
Diging.	Top Hit Acession No.	11418192 NT	2.0E-60 AF068757.1	18068		1.0E-60 BE178588.1	1.0E-60 AU143389.1	1.0E-60 AL163285.2	1.0E-80 BE064410.1	1.0E-80 AA244041.1	Ŀ	9.0E-81 AU119344.1	4885546 NT	4885546	8.0E-81 AW006478.1	8.0E-81 AW008478.1	(57147.1	8.0E-81 AA583988.1	171225.1	171226.1	TV06870 NT	TN06870 NT	6.0E-81 BE409310.1	& 0E-61 BE409310.1	6.0E-61 AF119860.1	6.0E-61 BE257400.1	6.0E-61 AA596033.1	6.0E-61 AY008285.1	6.0E-61 AU130689.1	578249.1	8.0E-61 U24498.1
	Most Similer (Top) Hit BLAST E Vetue	2.0E-60	2.0E-80/A	2.0E-60	2.0E-80	1.0E-80	1.0E-60	1.0E-60/	1.0E-80 E	1.0E-80/	1.0E-80	9.0E-81	9.0E-61	9.0E-61	8.0E-81	8.0E-61	8.0E-61 X57147.1	8.0E-81	8.0E-81 H71225.1	8.0E-61)H71226.1	7.0E-81	7.0E-81	8.0E-61	8.0E-61	8.0E-61	8.0E-61	8.0E-61	6.0E-61	8.0E-61	6.0E-61 S79249.1	8.0E-91
	Expression Signal	1.38	1.82	29.9	2.38	76.0	1.46	1.34	0.98	3.08	1.38	1.85	0.48	0.46	1.17	1.17	1.88	6.73	1.47	1.47	0.67	. 0.67	261	2.17	13.5	6.0	2.32	16.0	8.07	3.08	1.53
	ORF SEQ ID NO:					26512	20873	30896			35528	27095	35450	35451	28694	28895		34804	38400		28163	l	Ì		27326	27842		28169	]_	32452	Ш
	Exon SEQ ID NO:	25330	25800	25411	25421	13504	16960	18008	21249	22074	22.100	14145	22027	12022	15674	15874	16020	24188	24807	24807	13234	13234	133871	l	14359		L	15154	<u></u>		20528
	Probe SEQ ID NO:	12847	12771	12773	12789	523	3920	4993	8280	948	25.00	1404	808	908	8298	2878	2962	8227	11926	11928	128	28	385	812	1324	1634	1655	2137	3317	6147	7565

Page 337 of 546 Table 4 Single Exon Probes Expressed in Bone Marrow

Probe SEQ 10 NO:
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Table 4
Single Exon Probes Expressed in Bone Marrow

III EXOLI FIODES EXPRESSED III DOILE IMBILOW	Top Hit Descriptor	Homo sapiens TRAF family member-essociated NFKB activator (TANK) mRNA	UHHBWO-4ft-b-08-0-UI.s1 NCI_CGAP_Sub6 Homo septems cDNA clone IMAGE:2732871 3'	UHH-BWO-eth-08-0-UI.st NCI_CGAP_Sub6 Homo septems cDNA clone IMAGE:2732871 3'	Homo sapiens flawchemoprotein b5+b5R (LOC51167), mRNA	Homo sapiens flavohemoprotein b5+b5R (LOC51167), mRNA	H.saplens carbonic enhydrase VII (CA VII) gene, exons 4,5,6, and 7, and complete cds	Homo sapiens KIAA0783 gene product (KIAA0783), mRNA	Homo sapiens survival of motor neuron 1, telomeric (SMN1), mRNA	Human P40 T-cell and mast cell growth factor (hP40) gene, complete cds	Homo saplens SC35-Interacting protein 1 (SRRP129), mRNA	Homo sapiens hypothetical protein FLJ20128 (FLJ20128), mRNA	Homo saplans hypothetical protein FLJ20128 (FLJ20128), mRNA	Hamo sepiens growth harmone releasing harmone (GHRH), mRNA	Homo sapiens marmosidase, beta A, Iysosomai (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3	(UBE:203) genes, complete cds	MR0-BN0070-040400-010-h01 BN0070 Homo sapiens cDNA	Homo septens cadherin 18 (CDH18), mRNA	Hamo septens KIAA0971 pratein (KIAA0971), mRNA	Homo sapiens actinin, alpha 4 (ACTN4), mRNA	HTM1-025F1 HTM1 Homo espiens cDNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo saplens low density lipoprotein-related protein 2 (LRP2), mRNA	Human kappa-Immunoglobulin germtine pseudogena (Chr1) variable region (subgroup V kappa I)	Homo sapiens GTP binding protein 1 (GTPBP1), mRNA	RC4-BT0310-110300-015-f10 BT0310 Homo septens cDNA	ocsen11.s1 NCI_CCAP_GCB1 Homo sepiens oDNA clone IMAGE:1354725 3' similar to SW:POL_MLVRK	PST/KB FOLTPKU IEIN	AV714334 DCB Homo septems cDNA clone DCBANA08 6	NUCLEOLAR TRANSCRIPTION FACTOR 1 (UPSTREAM BINDING FACTOR 1) (UBF-1)	MOTOMINISTRACTION (P. 1909) - DNA	From Septens hypothetical protein (TLJZUZO), mikiya	og56a04.x1 Sceres_bestis_NHT Homo sepiens cDNA clone IMAGE:1839150 3' similer to TR:015103 015103 HYPOTHETICAL_27.3 KD PROTEIN.;	Human zinc finger protein ZNF131 mRNA, partial cds
	Top Hit Defetbese Source		EST_HUMAN	T_HUMAN			NT IN									¥	T_HUMAN				EST_HUMAN					EST_HUMAN		T	EST HUMAN	TOGGSSIMS	DALLOS I		EST_HUMAN	П
	Top Hit Acession No.	4759249 NT	.1	1.0E-61 AW288181.1	7705898 NT	7705898 NT	1.0E-61 M76423.1	7662303 NT	11416891 NT	1.0E-61 M30135.1	4759171 NT	8923130 NT	8923130	11034840 NT			1.0E-61 AW 999728.1	11416280 NT	11428892 NT	11425578 NT	1.0E-81 BE439409.1	11430460 NT	11430460 NT	M20809.1	11418127 NT	9.0E-62 BE064386.1		8.0E-62 AABS0420.1	7.0E-62 AV714334.1	247180	;	1142/965 IN	-	
	Most Similar (Top) Hit BLAST E Value	1.0E-81	1.0E-81	1.0E-81	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-81		1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-61	1.0E-81	1.0E-61	1.0E-61		1.0E-61	9.0E-62		8.0E-62/	7.0E-02/	7 OF 60 D47480	7.05.02	7.05-62	7.0E-62	6.0E-62 U09410.1
	Expression	1.02	9.18	9.18	0.94	980	0.68	0.74	1.02	7.63	96.0	1.58	1.58	4.16		3.41	2.04	66'0	5.56	3.38	3.58	4.15	4.15	23.14	10.09	2.13		80	1.8		25,	1.13	939	1.49
	ORF SEQ ID NO:	30382	30799	30800	30876	30877	31479	32046	32267	33321	33605	33717	33718	34858	,	35044		36122	36790	37488		31433	31434	31761	31711	37137		30500	27103	99702	8	32309	38221	
	SEQ ID	17494	17910	17910	17986	17986	18569	18885	19069	20019	20270	20365	20365	21440		21624	22581	22665	23311	23964	24697	25846	25846	25335	25521	23644		200	4183	40500	303	8	24644	16070
	Probe SEQ ID NO:	4468	4893	4893	4971	4971	5467	5773	5884	7085	7298	7387	7397	8471		8656	9837	9712	10389	10998	11661	12283	12283	12852	12942	10722		4681	1109	2547	100	8023	11678	3012

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Top Hit Descriptor  Home explens CGI-66 protein (CGI-89) mRNA  Home explens CGI-66 protein (CGI-89) mRNA  Wichdizzri NCI CGAP_CLI Home explens a DNA done IMAGE-2386251 3'  Wichdizzri NCI CGAP_CLI Home explens a DNA done IMAGE-2386251 3'  UH-R-BPOp-ail-4 09-0-UL7 NIH_MGC 51 Home explens a DNA done IMAGE-2382251 3'  UH-R-BPOp-ail-4 09-0-UL7 NIH_MGC 51 Home explens a DNA done IMAGE-2382251 3'  UH-R-BPOp-ail-4 09-0-UL7 NIH_MGC 51 Home explens a DNA done IMAGE-2382251 3'  UH-R-BPOp-ail-4 09-0-UL7 NIH_MGC 51 Home explens a DNA done IMAGE-2382251 3' similar to SW. GG95_HUMAN  World off xt NCI_CGAP_Lu2B Home explens a DNA done IMAGE-237204 3' similar to SW. GG95_HUMAN  World off xt NCI_CGAP_Lu2B Home explens a DNA done IMAGE-232434 3' similar to SW. HRDO_RAT  Human xamithine dehydrogenses/oddesse mRNA, complete ods  Human superins Name and the superins a DNA done IMAGE-2381701 5' similar to SW. HRDO_RAT  PAT245 NARDIL YSIN  ZAYR-806_a1 Sorese_lestis_NHT frome superins a DNA done IMAGE-2281701 5' similar to gbt.M37104  ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRAL PRECURSOR (HUMAN);  au/TedG3, y1 Schneider feetal brain 00004 Home superins a DNA done IMAGE-2781701 5' similar to gbt.M37104  ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRAL PRECURSOR (HUMAN);  au/TedG3, y1 Schneider feetal brain 00004 Home superins a DNA done IMAGE-2781701 5' similar to gbt.M37104  ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRAL PRECURSOR (HUMAN);  au/TedG3, y1 Schneider feetal brain 00004 Home superins a DNA done IMAGE-2781701 5' similar to gbt.M37104  ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRAL PRECURSOR (HUMAN);  au/TedG3, y1 Schneider feetal brain 00004 Home superins a DNA done IMAGE-2781701 5' similar to gbt.M37104  ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRAL PRECURSOR (HUMAN);  ESTISCAR3 Juriet T-cells VI Home superins a DNA done IMAGE-2780389 3' similar to gbt.M37104  ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRAL PRECURSOR (STEMAN);  ESTISCAR3 Juriet T-cells VI Home superins a DNA done IMAGE-2780389 3' similar to gbt.M37104  ATP SYNTHASE CO	T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN	Top Hit Ao No. No. No. No. No. No. No. No. No. No	(Top) Hit ButAsT E Value (Top) Hit ButAsT E Value (A.O.E. A.O.E.	Signal 3.27 3.27 3.27 3.27 3.27 3.61 1.45 1.45 1.45 1.45 1.45 1.45 1.45 1.4	ORF SEQ ID NO: 34270 34270 34270 34270 2844 2844 2844 28618 3628 3628 3628 3628 3628 3628 3628 362	200831 200831 200831 213891 213891 214891 13888 13888 13888 13888 13888 13888 14461 13888	Probe SEQ ID NO: NO: NO: NO: NO: NO: NO: NO: NO: NO:
gbX57138_ma1 HISTONE H2B2 (HUMAN);	T HUMAN	4.0E-62 AI827900.1 ES	4.05-62	2.85	28492	15468	2484
6X57139_ma1 HISTONE H2B.2 (HUMAN);		_	4.0E-62	2.85			2464
FIZONOXI SOBIOS JATL. I COC. OT TUTTO SQUATS GUAN MAIR INNACEL CONAND O SUITED TO PAY TO THE TOTAL THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO THE TOTAL TO			70.70	200			7070
Archols x1 Scenes, NR. T GBC S1 Homo sentiens cDNA clone IMAGE:2350359 3' similar to							
bX57138_me1 HISTONE HZB.2 (HUMAN);			4.0E-62	2.85			2464
#2208.x1 Soares_NHT_GBC_S1 Homo sapiens cDNA clone IMAGE::Z350339 3' samilar to							
COLINCAL MENT OF THE CONTRACT	٦		4.UE-04	=			1420
CT482049 hatent T. rolle V. Home contacts of DNA R. and	Т		4 00 00		L	L	4450
TP SYNTHASE COUPLING FACTOR 6, MITOCHONDRIAL PRECURSOR (HUMAN);		1.1	4.0E-62	1.27			842
u71d03.y1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2781701 5' straiter to gic:M37104							
TH SYNTHASE COUPLING FACTOR 8, MITOCHONDRIAL PRECURSOR (HUMAN);			4.0E-62	1.27			842
LITTAGS, YI SCHNEIGER TEXBI DIRBIN 00004 HOMO SEPTENS CLAVA CIONE INVACIE: 2/61/101 SIGNIER TO GID: MS/104							
The state of the s	Ţ	T			l	1	5
TP SYNTHASE COUPLING FACTOR 6. MITOCHONDRIAL PRECURSOR (HUMAN):			4.0F-82	2.20			841
u71d03.y1 Schneider fetal brain 00004 Homo septens cDNA clone IMAGE:2781701 5' similar to gb:IM37104							
IT STATIFIED COUPLING FACTOR 8, MITOCHORDAL PRECORDOR (FLOWARY).	Ì		4.0E-62	228		3	841
11/1 d03. yf Schneider fetal brain 00004 Homo saplens cDNA done (MACE: 2781701 5' similar to gic. M37104)			1				
torno espients muscos specific gene (ms), mouvo		114230/4	3,0F.62	2.18			386
THE THE PARTY OF T		1				1	
iomo sapiens muscle specific gene (M9), mRNA	¥	5574	50E-62		L	L	11598
107g08.x1 NIH_MGC_17 Homo espiens cDNA clane IMAGE-2961616 5			5.0E-62		L		8875
tomo saptens ryanodine receptar 3 (RYR3) mRNA		4506758	5.0E-62	19.0			8894
(C5-NN1089-100500-021-Hb3 NN1089 Homo sepiens cDNA		AW805887.1	5.0E-62	1.1			4689
47245 NARDILYSIN ;		1	5.0E-62	1.91			4355
w78e09.s1 Scares_testis_NI-1T Homo sepiens cDNA clone IMAGE:782344 3' similar to SW:NRDC_RAT							
larno sapiens nyanodine receptor 3 (RYR3) mRNA		4	5.0E-62				3430
luman xantithe dehydrogenaseløddase mRNA, comptete cds		U39487.1	5.0E-62				2598
luman xanthine deinydrogenase/caddase mRNA, complete cds	•		5.0E-62	i			2596
Iomo sepiens Xq pseudoautosomal region; segment 1/2		:1	5.0E-62				2416
iomo sapiens Xq pseudoautosomal region; segment 1/2		1.	6.0E-62				2418
2063/9 GOLGIN-95, ;contains element MERZZ repetitive element;;			5.0E-62				416
ooste07.x1 NCI_CGAP_LL28 Hamo sepiens aDNA clane IMAGE25547204 3' similar to SW:GG85_HUMAN							
JRS-ST0203-130100-025-e09 ST0203 Homo septens cDNA			6.0E-62				9220
ignio sepiens CSI-16 procen (LOCS) with A		139	6.0E-62				9800
UHITER OF SECTION IN MICE OF HOME CONTRACTOR INVOCES OF	HUMAN	I	6.0E-62		_	_1	822
			2000			1	2007
MO4002 XT NO CGAP CLL1 Home seeilens CDNA clone IMAGE 2289251 3	Γ		ROF-RO		L		7887
ifo4d02.x1 NCL_CGAP_CLL1 Hamo septems cDNA clane IMAGE-2389251 3'		1	6.0E-62			L_	7887
Homo septens (CSI-S6 protein (CSI-S6), mKNA		11418255	8.0E-82	4.9			3385
11 ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (							
	Source	g	Value	500	Š Ž		ÿ
i op Hit Descriptor	Catabase	<u> </u>	RIASTE	Simo	Ċ	_	Q Q Q Q
Table Constitution	#H 00	Top Hit Acession	H(doL)	Expression	ORFSEQ	_	
	į		Most Similar				

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Table 4
Single Exon Probes Expressed in Bone Marrow

RIGE EAGLE TO DO SECULIA DO SECULIA DE SECUL	Top Hit Descriptor	Homo sepiens solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2 (SLC13A2) mRNA	Homo sepiens ubiquitin specific protease 9, X chromosome (Drosophila fat facets related) (USP9X), mRNA	Homo sapiens phosphoribosyl pyrophosphate synthetase 2 (PRPS2), mRNA	Homo sepiens eukaryotic translation initiation factor 2B, subunit 2 (beta, 39kD) (EIF2B2), mRNA	Homo sepiens eukaryotic translation hititation factor ZB, subunit 2 (beta, 39tO) (EIFZB2), mRNA	Homo sepiens 26S protessame essociated pad1 homolog (POH1), mRNA	Homo sepiens mRNA for KIAA1263 protein, partial cds	H.sepiens flow-sorted chromosome 6 Hindlll fragment, SO8pA16D3	H.sapiens flow-corted chromosome 8 Hindll fragment, SC8pA16D3	df58g04.y1 Martan Fetal Cochlea Hamo squiens aDNA clane IMAGE:2487761 6	Homo sapiens putative nuclear protein (HRIHFB2122), mRNA	Homo sapiens non-histone chromosome protein 2 (S. cerevisiae)-like 1 (NHP2L1), mRNA	Hamo sepiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA	Homo saplens calcineum binding protein 1 (KIAA0330), mRNA	Homo sapiens calcineum binding protein 1 (KIAA0330), mRNA	Homo sepiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sepiens neurofibromin 2 (bilateral accustic neuroma) (NF2) mRNA	Homo sepiens mRNA for KIAA1476 protein, partial cds	Homo sepiens mRNA for KIAA1476 protein, pertial cds	Human cyclophilin-related processed pseudogene	wa33f04.x1 NCI_CGAP_Kid11 Home sapiens cDNA clone IMAGE:2288803 3' similar to contains THR.12	THR repetitive element;	Homo sepiens chromosome 21 segment HS210084	EST178374 Colon carcinoma (HCC) cell line Homo sapiens cDNA 5' end	RC0-BN0284-300600-031-e06 BN0284 Homo sepiens cDNA	RC0-BN0284-300500-031-e05 BN0284 Homo saplens cDNA	Homo sapiens mannosidasa, beta A, tysosomai (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3	(UBE2D3) genes, complete ods	QV4-BT0257-081189-017-603 BT0257 Hamo septens cDNA	Hamo sepiens intersectin 2 (SHXO1B) mRNA, complete ads	Homo capiens ADP/ATP carrier protein (ANT-2) gens, complete cds
YOU LIONS	Top Hit Database Source							I	IN	IN IN	EST_HUMAN										Į.		LCMAN	<b>1</b>	EST_HUMAN	EST_HUMAN	EST_HUMAN			T_HUMAN		5
	Top Hit Acession No.	4506978 NT	11420654 NT	11421041 NT	7857057 NT	7857057 NT	11428973 NT	4.0E-62 AB033089.1			4.0E-62 AW023559.1	11418088 NT	11418192 NT	11418322 NT	.11417862 NT	11417882 NT	11430460 NT	4557794 NT	3.0E-62 AB040909.1	3.0E-62 AB040909.1				2	2.0E-62 AA307490.1		\.		2.0E-62 AF224669.1	1	0.1	
	Most Similar (Top) Hit BLAST E Vælue	4.05-62	4.0E-82	4.0E-62	4.0E-62	4.0E-82	4.0E-62	4.0E-62	4.0E-62 278768.1	4.0E-62 Z78786.1	4.0E-62/	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	4.0E-62	3.0E-82	3.0E-62	3.0E-62/	3.0E-62 X52858.1		3.0E-62/	205-62	2.0E-82/	20E-82	20E-62		2.0E-82	2.0E-62	1.0E-62	1.0E-62 L78810.1
	Expression Signal	1.63	2.53	208	269	259	0.93	585	3.05	3.05	1.57	3.39	1.3	1.96	19.77	19.77	3.07	0.68	1.02	1.02	3.52		4.85	278	0.88	4.47	4.47		4.98	20.5	1.88	12.74
	ORF SEQ ID NO:	32318	32748	33688	34219	34220	34893	36594	37830	37831	38083	38176		31706	l	31704	_	26114	29029	29030	29869		35272	27232		L	<u> </u>				27044	27552
	SEO ID NO:	19115	(9495	20347	82802	20839	21479	22164	24303	24303	24536	25090	25803	25505	25500	28500	25542	13192	16116	16116	16755			14272	Į	l	22083		23465	24873		14580
	Probe SEQ ID NO:	6032	87,8	7377	288	7886	8511	9188	11353	11363	11598	12267	12491	12871	12824	12824	12877	75	3050	3050	3712		8885	1235	8142	9127	8127		10533	11996	1045	1547

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Table 4
Single Exon Probes Expressed in Bone Marrow

igne exult flodes expressed in bone marrow	Top Hit Descriptor	af70e11.r1 Sogres_Nh-IMPu_S1 Homo sapiens cDNA clone IMAGE:1047404 5' similar to WP:K01H12.1 CE03453;	DKFZp566F104_r1 568 (synonym: hfkd2) Homo septens cDNA clone DKFZp566F104 6	Homo sapiens mRNA for KIAA1478 protein, pertial cds	Homo sepiens hypothetical protein FL/20212 (FL/20212), mRNA	206b08.r1 Soeres, pregnant, uterus, NbHPU Homo sapiens cDNA clone IMAGE:491611 6' similar to SW:CG61_BOVIN P10897 CYTOCHROME B661.;	Human glucagon-like peptide-1 receptor (GLP-1) mRNA, complete cds	Homo sapiens X28 region near ALD locus containing dual specificity phosphatase 9 (DUSP9), ribosomel protein L18a (RPL18a), Ca2+/Celmodulin-dependent protein kinase I (CAMKI), creatine transporter (CRTR), CDM protein (CDM)	permit process (Archivosco & Archivosco & Ar	EXCUSES I OLGERAGE IONE HER BY LAZZ FUTIO SEPTEMS CATAL GATE IMPACE CONSESSIONS	Apost 10.51 Scares feat heart worth two home sapers days done IMAGE:408/71 3	2008710.81 Scares retail heart, NbHH19W Homo sapiens cDNA clone IMAGE:409771 3'	28000/11 Not Conf. GCD1 natio septems alive agreements. (Ususu 3	Homo sepiens KIAA0763 gene product (KIAA0763), mRNA	Homo saplens KIAA0763 gene product (KIAA0763), mRNA	H.saplens lysosomal acid phosphatase gene (EC 3.1.3.2) Exon 9	H.saplens lysosomal acid phosphatase gene (EC 3.1.3.2) Exan 9	8833d08.st NCI_CGAP_GCB1 Homo sepiens aDNA done IMAGE:915055 3"	H.saptens flow-earted chromosome 6 Hindlil fragment, SOSpA14D8	Homo sapiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA	Homo sapiens low density [poprotein-related protein 2 (LRP2), mRNA	QV4-ST0234-181199-037-105 ST0234 Homo sepiens cDNA	C18159 Human placenta cDNA (TFujiwara) Homo sapiens cDNA clone GEN-558C10 5'	Homo sapiens mRNA for KIAA0350 protein, perfisi cds	Homo sapiens mRNA for KIAA0350 protein, partial cds	Homo sapiens exanitase 2, mitochandria (ACO2), mRNA	Homo sapiens mRNA for PkB kinase	Homo sapiens nucleoporin 88kD (NUP88), mRNA	Homo sapiens pyruvate dehydrogenase kinase, isoenzyme 3 (PDK3) mRNA	Homo sepiens Ras association (RaIGDS/AF-6) domain family 2 (RASSF2), mRNA	Homo sepiens KIAA0763 gene product (KIAA0763), mRNA	Homo sepiens KIAA0763 gene product (KIAA0763), mRNA
Zauli Fiones	Top Hit Defebese Source	EST HUMAN	EST HUMAN	M	¥	EST_HUMAN	뒫	Ę	COT LEGAN	COT LIGHT	TOT	EST HUMAN	TO TOWAN	Ę.		Į.	IN	EST_HUMAN	NT	M	NT	EST_HUMAN	EST_HUMAN	NT	K	N.	NT.	卜	¥	IN	NT	NI.
Single	Top Hit Acession No.	1.0E-62 AA625207.1	1.0E-62 AL039044.1	1.0E-62 AB040911.1	8923201 NT	1.0E-62 AA148822.1	1.0E-62 L23503.1	0F-82 1.5211.0			W122010:1	1.0E-62 AA722878.1		7662289 NT	7662289			0.1		11418322 NT	11430460[NT	<b>ର</b> ୀ		2	9.0E-63 AB002348.2	11418185 NT		11426985 NT	4885544 NT	11421160 NT	7662289 NT	7662289
	Most Similar (Top) Hit BLAST E Value	1.0E-62	1.0E-62	1.0E-62	1.0E-62	1.0E-62	1.0E-62	4.05-80	4 00	1.05.02	1.05	1.0E-62	1.00-02	1.0E-82	1.0E-62	1.0E-62 X15533.1	1.0E-62 X15533.1	1.0E-62	1.0E-62 Z78698.1	1.0E-62	1.0E-62	9.0E-63	9.0E-63 C18159.1	9.0E-63 /	9.0E-63	9.0E-63	9.0E-63 Y15058.1	9.0E-63	9.0E-63	9.0E-63	9.0E-63	9.0E-63
	Expression Signal	1.18	1.45	1.15	1.43	0.88	0.94	284	100	07.0	7 7	248	8 8	1.82	1.82	1.97	1.97	3.42	2.41	222	3.25	241	1.51	9.29	8.29	2.17	1.3	3.41	0.73	1.58	1.54	<u>7.</u>
	ORF SEQ ID NO:	27833	28908		30470	31056	31079	32738	23855	33680	20000	336/0	20000	35816	35817	35858	35859	36189	38237		31714	26349		30000	30001	38014	31578	33709	34475	35060	37719	37720
	Exan SEQ ID NO:	14842		16482	17579	18178	18205	19488	2845	388	N CONTRACT	2032	2 1	22378	22378	242	22421	22736	24659	25397	25529	13427	15362	17107	17107	18331	18638	20357	21075	21637	24199	24199
	Probe SEQ ID NO:	1815	2925	3435	4556	5169	5198	6424	7244	7267	7050	1332	2 5	8 3	9413	g 22	9457	9915	11694	12750	12956	338	2353	4071	4071	5315	5541	7388	8138	6998 8	11246	11240

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ngie Exon Probes Expressed in bone marrow	Top Hit Descriptor	Hamo sepiens manoemtine addese A (MAOA), nuclear gene encoding mitochandrial protein, mRNA	Hamo sapiens II.2-inducible T-cell kinase (ITK), mRNA	Gallus gallus Dach2 protein (Dach2) mRNA, complete cds	Gellus gellus Dechz protein (Dechz) mRNA, complete ods	Hamo sepiens chranosome 21 segment HS210068	wm55g11.x1 NCI_CGAP_Ut2 Hamo saplens cDNA clane IMAGE:2438908 31	nc6sf02.ri NCL_CGAP_Pr1 Homo sepiens cDNA clone IMAGE.745947 similar to gb:Y00361 603 RIBOSOMAL PROTEIN (HLMAN);	Hamo sapiens G protein-coupled receptor 51 (GPR51), mRNA	Hamo sapiens chramosame 21 segment HS21C078	Homo sapiens mRNA for KIAA0707 protein, pertial cds	Homo sapiens mRNA for KIAA0707 protein, partial cds	CM2-BT0585-190100-072-409 BT0595 Homo sepiens dDNA	CM3-BT0595-180100-072-e09 BT0595 Hamo sepiens aDNA	UI-H-Bit-abq-e-02-0-UI,st NCI_CGAP_Sub3 Hamo sapiens aDNA clane IMAGE:27/12482 3'	UI-H-BI1-abq-e-02-0-UI.s1 NCI_CGAP_Sub3 Hamo sepiens aDNA clane IMAGE:27124823"	2u84b01.s1 Soares_bests_NHT Homo sapiens cDNA clone IMAGE:744649 3' shrilar to contains L1.t1 L1	Impound controls,	drie septens inverted a revert if prousit, per us over	Human Mee-trans-gene 1	Homo sapiens zinc finger protein 144 (Mel-18) (ZNF144), michA	Homo sapiens hepetocellular carcinoma antigen gene 620 (LOCXS928), mitna	801485656F1 NIH_MGC_69 Homo septems CDNA clone IMAGE:38886233 5	01485656F1 NIH_MGC_69 Hamo sepiens altwa cane IMAGE:3888253 5	Human DNA topotsomerase I mRNA, partial cds	Homo sapiens eyes absent (Drosophila) homdog 2 (EYA2), mRNA	Homo sapiens glutamate-cysteine ligase (gamma-glutamylcysteine synthetase), catalytic (72.84D) (GLCLC)	mRNA	Homo sepiens Down syndrome candidate region 1 (DSCR1), mRNA	Homo saplens RHCE mRNA for Rh blood CE group antigen polypeptide, complete cos	Homo sapiens RHCE mRNA for Rh blood CE group antigen polypeptide, complete cds	601301627F1 NIH_MGC_21 Hamo sapiens aDNA clane IMAGE:3636103 5	Hamo sepiens chranosame 3 subtetament region
Xon Propes E	Top Hit Detabase Source					NT	EST HUMAN	EST_HUMAN		INT TN	אַל	Į.	EST_HUMAN		EST_HUMAN	EST_HUMAN		LHOWAN					HUMAN	EST_HUMAN								L HUMAN	¥
Single	Top Hit Acession No.	4557734 NT	5031810 NT	8.0E-63 AF198349.1			7.0E-63 AI872137.1	1	11528484 NT	4.0E-63 AL163278.2	4.0E-63 AB014607.1	4.0E-63 AB014607.1	4.0E-63 AW7503721	4.0E-63 AW7503721	4.0E-63 AW134709.1	4.0E-63 AW134709.1		4.0E-63 AA623056.1	3.0E-63 AB018260.1	100310.1	6005963 NT	11545810 NT	3.0E-63 BE876158.1	3.0E-63 BE876158.1	2.0E-63 U07804.1	4885226 NT		4557624 NT	7657042 NT	2.0E-63 AB030388.1	2.0E-63 AB030388.1	2.0E-63 BE410739.1	2.0E-63 AF109718.1
	Most Similar (Top) Hit BLAST E Value	8.0€-63	8.0E-83	8.0E-63	8.0E-63	8.0E-63	7.0E-63	6.0E-63/	5.0E-63	4.0E-63	4.0E-63/	4.0E-83/	4.0E-63	4.0E-83	4.0E-83	4.0E-63		4.0E-63/	3.0E-63/		3.0€-63	3.0E-63	3.0E-63	3.0E-63	2.0E-63	2.0E-63		2.0E-63	2.0E-63	2.0E-63	2.0E-63	2.0E-83	2.0E-63
	Expression Signal	1.1	2.49	3.42	3.42	3.76	1.67	22.22	0.63	0.7	1.18	1.16	282	2.02	2.12	2.12		1.49	2.52	1.85	16.82	32.29	0.51	0.51	1.91	1.91		3.08	1.7	4.18	4.18	1.33	2.77
	ORF SEQ ID NO:	28382	28416	29443	29444	30203			35622	29305	28764	28785	32917	32918	37958	37959			27975	28798	27243	32954	38460	38461	28221	28228			26838				29271
	Exan SEQ (D NO:	15380	15391	L	L		13982		1_	Ł.	L	L	1_	L	24410	24410	<u> </u>		14975	15782	14280		L	22891	13294	L		13570	1_	L.	14802		16351
	Probe SEQ ID NO:	2351	2383	3475	3475	\$	83	6412	828	3332	382	88	888	888	11487	11467		13023	1952	2790	2832	6679	10064	10064	193	88		48	128	1569	1569	1781	3288

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Table 4
Single Exon Probes Expressed in Bone Marrow

Exam SEQ ID BU NO:         CRF SEQ Signet Signe	Top Hit Acession Detabese No. Source Source Source Source Source Source Source Source AF11167.2 NT EST_HUMAN BE146928.1 EST_HUMAN BF373641.1 EST_HUMAN BF373641.1 EST_HUMAN	Top Hit Descriptor  Homo seplens polycystic Iddney disease-essociated protein (PKD1) gene, complete cds  Homo seplens jun dimerization protein gene, partial cds; cfos gene, complete cds; and unknown gene  QV4-HT0222-011199-018-901 HT0222 Homo seplens cDNA  Homo seplens glutaminyl-peptide cyclotransferase (glutaminyl cyclase) (QPCT), mRNA  Homo seplens similar to ectoruclectide pyrophosphetasse/phosphodiesterases 3 (H. seplens) (LOC632714),  mRNA
16966         28878         3.64         2.0E-68         L39891.1         NT           17918         30810         0.95         2.0E-68         AF11167.2         NT           1897         31070         1.19         2.0E-68         BE146928.1         EST_HUMAN           1897         32770         1.99         2.0E-68         BF373541.1         EST_HUMAN           18071         32270         2.49         2.0E-68         BF373541.1         EST_HUMAN           18071         32270         2.49         2.0E-68         BF373541.1         EST_HUMAN           18081         32820         0.83         2.0E-68         BF373541.1         EST_HUMAN           18082         32260         0.83         2.0E-68         BF373541.1         EST_HUMAN           18081         32260         0.81         2.0E-68         BF373541.1         EST_HUMAN           18082         32260         0.81         2.0E-68         H05050         NT           20012         33316         1.48         2.0E-68         AB032369.1         NT           20012         33316         1.48         2.0E-68         AB032369.1         NT           2052         34361         1.08	AF11167.2 NT BE146528.1 EST_HUMAN 6912617 NT 11419429 NT BF373541.1 EST_HUMAN	septens polycystic (kidney disease-essociated protein (PKD1) gene, complete cds septens jun dimertzation protein gene, partial cds; cfos gene, complete cds; and unknown gene 170222-01199-018-g01 HT0222 Home septens cDNA septens gutaminyl-peptide cyclotransferase (giutaminyl cyclase) (QPCT), mRNA septens similar to ectonucleotide pyrophosphataselphosphotiesterase 3 (H. septens) (LOG3214),
17918         30810         0.85         2.0E-68         BE146928.1         ITTHING         IT	AF111167.2 NT BE146028.1 EST_HUMAN 6912617 NT 11419429 NT BF373641.1 EST_HUMAN	sepiens jun dimerization protein gene, partial cds; cfos gene, complete cds; and unknown gene TT0222-011199-018-g01 HT0222 Home sapiens cDNA sepiens glutaminyl-peptide cyclotransferase (glutaminyl cyclase) (QPCT), mRNA sapiens similar to ectonucleotide pyrophosphatase/phosphosphosphosphosphosphosphosphosphos
1897         31070         1.19         2.0E-63         BE146628.1         EST_HUMAN           25635         31112         1.59         2.0E-63         6612617 NT         EST_HUMAN           16071         32270         2.49         2.0E-63         BF373641.1         EST_HUMAN           16071         32270         2.49         2.0E-63         BF373641.1         EST_HUMAN           16881         32620         0.83         2.0E-63         BF373641.1         EST_HUMAN           16881         32620         0.83         2.0E-63         BF373641.1         EST_HUMAN           16881         32620         0.83         2.0E-63         BF373641.1         EST_HUMAN           16882         3266         0.83         2.0E-63         BF373641.1         EST_HUMAN           16883         3269         0.81         2.0E-63         AB032669.1         NT           20012         33516         1.46         2.0E-63         AB032669.1         NT           2004         33549         0.81         2.0E-63         AL163210.2         NT           22374         35610         1.06         2.0E-63         AL163210.2         NT           22054         35637         3.361	BE148928.1 EST_HUMAN  8912817 NT  11419429 NT  BF373641.1 EST_HUMAN	T0222-011199-018-g01 HT0222 Home sapiens cDNA sepiens glutaminyl cyclese) (QPCT), mRNA sepiens similar to extenucleotide pyrophosphatase/phosphodiesterase 3 (H. sepiens) (LOC63214),
18240         31112         1.58         2.0E-63         6912617 NT           25635         31182         0.57         2.0E-63         BF373641.1         E6T_HUMAN           19071         32270         2.49         2.0E-63         BF373641.1         E6T_HUMAN           19881         32620         0.83         2.0E-63         H1421940 NT           18981         32621         0.83         2.0E-63         H1421940 NT           18982         32569         0.81         2.0E-63         H60569.1         NT           18983         33269         0.81         2.0E-63         H60569.1         NT           20012         33316         1.48         2.0E-63         H60569.1         NT           2002         34391         0.82         2.0E-63         H163240.1         NT           22374         35810         1.06         2.0E-63         H163210.2         NT           22	6912817 NT 11419429 NT BF373641.1 EST_HUMAN BF373541.1 EST_HUMAN	septens gluterninyl-peptide cyclotransferase (gluterninyl cyclese) (QPCT), mRNA saplens similar to ectonucleotide pyrophosphatase/phosphodiesterase 3 (H. septens) (LOC83214),
25635         31192         0.57         2.0E-63         11419429         NT           19071         32270         2.49         2.0E-63         BF373541.1         EST_HUMAN           19071         32271         2.49         2.0E-63         BF373541.1         EST_HUMAN           19881         32820         0.83         2.0E-63         H1421940 NT         EST_HUMAN           16881         32821         0.83         2.0E-63         H1421940 NT         EST_HUMAN           16883         33256         0.81         2.0E-63         H1421940 NT         NT           16883         33256         0.81         2.0E-63         H66059.1         NT           20012         33256         0.81         2.0E-63         H66059.1         NT           20012         33316         1.46         2.0E-63         B910365         NT           20012         33316         1.46         2.0E-63         B910365         NT           20012         33316         1.46         2.0E-63         B910365         NT           20046         3202         2.0E-63         AL163210.2         NT           22074         35810         1.06         2.0E-63         AL163210.2	11419429 NT BF373541.1 EST_HUMAN BF373541.1 EST_HUMAN	septens similar to ectonucleotide pyrophospheiass/phosphodiesterase 3 (H. septens) (LOC83214),
19071         32270         2.49         2.0E-68         BF373641.1         EST_HUMAN           19071         32271         2.49         2.0E-68         BF373641.1         EST_HUMAN           19381         32620         0.83         2.0E-68         11421940 NT           19841         32621         0.83         2.0E-68         11421940 NT           19842         33269         0.81         2.0E-63         H66059.1         NT           19843         33269         0.81         2.0E-63         H66059.1         NT           20012         33316         0.81         2.0E-63         H66059.1         NT           20012         33316         0.81         2.0E-63         H66059.1         NT           20012         33316         0.81         2.0E-63         H603566         NT           20012         33316         0.82         2.0E-63         H60366         NT           20012         33316         0.82         2.0E-63         H1430940         NT           20012         33316         0.82         2.0E-63         H1430940         NT           22374         3581         1.0E-63         H1693262         NT         NT	BF373541.1 EST_HUMAN BF373541.1 EST_HUMAN	
19071         32271         2.49         2.0E-63         BF373541.1         EST_HUMAN           19381         32620         0.83         2.0E-63         11421940 INT           19381         32620         0.83         2.0E-63         11421940 INT           198413         33209         1.23         2.0E-63         H66056.1         INT           19863         32260         0.81         2.0E-63         B610566 INT         INT           20012         33316         0.82         2.0E-63         B610366 INT         INT           20012         33316         0.82         2.0E-63         AL163262         INT           21845         35287         3.8         2.0E-63         AL163262         INT           22374         3581         1.06         2.0E-63         AL163262         INT           22045         3762         2.0E-63         AL163262         INT	BF373541.1 EST_HUMAN	QV1-FT0170-040700-265-c05 FT0170 Homo sapiens cDNA
19381         32620         0.83         2.0E-63         11421940 NT           16381         32621         0.83         2.0E-63         11421940 NT           16913         33209         1.23         2.0E-63         H66056.1         NT           19633         32269         0.81         2.0E-63         H66056.1         NT           20012         .38315         0.81         2.0E-63         H66056.1         NT           20012         .38316         0.81         2.0E-63         H66056.1         NT           20012         .38316         0.81         2.0E-63         H66056.1         NT           20012         .38316         0.82         2.0E-63         H66056.1         NT           20012         .38316         0.82         2.0E-63         H6046844.1         NT           21845         35287         3.8         2.0E-63         H143069.0         NT           22374         35810         1.06         2.0E-63         H143069.0         NT           22374         3581         1.06         2.0E-63         H143069.0         NT           2405         2752         2.0E-63         H76926.2         NT           2405         <		QV1-FT0170-040700-285-c05 FT0170 Homo septens cDNA
18381         32621         0.83         2.0E-63         11421940         NT           18913         33209         1.23         2.0E-63         U66059.1         NT           18983         33229         0.81         2.0E-63         AB032369.1         NT           20012         .38315         1.46         2.0E-63         B910365         NT           20012         .38316         1.46         2.0E-63         B910365         NT           20045         34301         0.82         2.0E-63         B910365         NT           20945         34301         0.82         2.0E-63         AB046844.1         NT           21845         35207         3.8         2.0E-63         AL163210.2         NT           22374         35810         1.06         2.0E-63         AL163210.2         NT           22374         35811         1.06         2.0E-63         AL163210.2         NT           22074         3581         1.06         2.0E-63         AL163210.2         NT           22074         3762         1.3.74         2.0E-63         AL763210.2         NT           24087         37615         2.32         2.0E-63         AL763210.2	11421940 NT	Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKARZB), mRNA
198-13         33208         1.23         2.0E-63 L68059.1         NT           198-83         33258         0.81         2.0E-63 AB032369.1         NT           198-83         33259         0.81         2.0E-63 AB032369.1         NT           20012         38315         1.46         2.0E-63 B910365 NT         NT           20045         34391         0.82         2.0E-63 B910365 NT         NT           20045         34391         0.82         2.0E-63 B910365 NT         NT           218-45         35810         0.82         2.0E-63 B910365 NT         NT           218-45         35810         0.82         2.0E-63 AL163210.2         NT           22374         35810         1.06         2.0E-63 AL163210.2         NT           22374         35811         1.06         2.0E-63 AL163210.2         NT           22374         3581         1.06         2.0E-63 AL163210.2         NT           2408         37582         13.74         2.0E-63 AL163210.1         NT           24087         37616         2.32         2.0E-63 AF089810.1         NT           24087         37616         2.32         2.0E-63 AF089810.1         NT           24087	11421940 NT	Homo sapiens protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B), mRNA
19913         33209         1.23         2.0E-63 (b6059.1)         NT           19983         33259         0.81         2.0E-63 (b6059.1)         NT           19983         33259         0.81         2.0E-63 (b6059.1)         NT           20012         .38315         1.46         2.0E-63 (b6058.1)         NT           20012         .38316         1.46         2.0E-63 (b6058.1)         NT           20042         .38316         1.46         2.0E-63 (b6058.1)         NT           20045         .34391         0.82         2.0E-63 (b604844.1)         NT           21045         .35810         1.06         2.0E-63 (b604844.1)         NT           22374         .35810         1.06         2.0E-63 (b604844.1)         NT           22374         .35811         1.06         2.0E-63 (b604844.1)         NT           22374         .35811         1.06         2.0E-63 (b60484.1)         NT           24087         .3762         2.0E-63 (b6048.1)         RT           24087         .37616         2.32         2.0E-63 (b6048.1)         NT           24087         .37616         2.32         2.0E-63 (b6048.1)         RTHUMAN           14547         .27519 <td>Hum</td> <td>Human germline T-cell receptor beta chain Doparnine-beta-hydroxylase-like, TRY1, TRY2, TRY3, TCRBV27S1P, TCRBV22S1A2N1T, TCRBV8S1A1T, TCRBV7S1A1N2T, TCRBV5S1A1T, TCRBV13S3,</td>	Hum	Human germline T-cell receptor beta chain Doparnine-beta-hydroxylase-like, TRY1, TRY2, TRY3, TCRBV27S1P, TCRBV22S1A2N1T, TCRBV8S1A1T, TCRBV7S1A1N2T, TCRBV5S1A1T, TCRBV13S3,
18863         33269         0.81         2.0E-63 AB032369.1         NT           18963         33280         0.81         2.0E-63 AB032369.1         NT           20012         33315         1.46         2.0E-63 B910365 NT         NT           20045         34391         0.82         2.0E-63 B910365 NT         NT           20045         34391         0.82         2.0E-63 B910365 NT         NT           21845         35207         3.8         2.0E-63 B910365 NT         NT           22374         35810         1.08         2.0E-63 AL163210.2         NT           22374         35811         1.06         2.0E-63 AL163210.1         NT           22374         35811         1.06         2.0E-63 AL163210.2         NT           23224         36707         0.98         2.0E-63 AL163210.1         NT           24087         37516         2.32         2.0E-63 AF089810.1         NT           24087         37616         2.32         2.0E-63 AF089810.1         NT           24087         27518         0.03         1.0E-63 AF089810.1         NT           24087         27518         0.03         1.0E-63 F08485.1         EST HUMAN           14547	Ę	TCRBV6S7P, TCRBV7S3A2T, TCRBV13S2A1T, TCRBV6S2A2PT, TCRBV7S2A1N4T, TCRBV13S9/13S>
19983         33280         0.81         2.0E-63         AB032369.1         NT           20012         .38315         1.46         2.0E-63         8910365         NT           20012         .38316         1.46         2.0E-63         8910365         NT           20045         .34391         0.82         2.0E-63         8910365         NT           21645         .35267         3.8         2.0E-63         AL163210.2         NT           22374         .35810         1.06         2.0E-63         AL163210.2         NT           22374         .35811         1.06         2.0E-63         AL163240.1         NT           23224         .36707         0.96         2.0E-63         AL163218.2         NT           24087         .37842         2.32         2.0E-63         AF089810.1         NT           24087         .37616         2.32         2.0E-63         AF089810.1         NT           24087         .37616         0.63         1.0E-63         AF089810.1         NT           24087         .27618         0.63         1.0E-63         FST HUMAN           14547         .27618         0.63         1.0E-63         FST HUMAN	TN L	Homo sapiens MIST mRNA, pertial cds
20012         . 35315         1.46         2.0E-63         8910365 NT           20012         33316         1.46         2.0E-63         8910365 NT           20095         3439H         0.82         2.0E-63         8910365 NT           21645         35267         3.8         2.0E-63         MT           22374         35810         1.06         2.0E-63         11420949 NT           22374         35811         1.06         2.0E-63         11420949 NT           23224         36707         0.96         2.0E-63         M.163218.2         NT           24087         37542         2.32         2.0E-63         M.78045.1         EST_HUMAN           24087         37615         2.32         2.0E-63         AF089810.1         NT           24087         37616         2.32         2.0E-63         AF089810.1         NT           25747         31516         6.02         2.0E-63         AF089810.1         NT           24687         27518         0.05         1.0E-63         FST HUMAN           14547         27519         0.05         1.0E-63         FST HUMAN	AB032369.1 NT	Homo sapiens MIST mRNA, partial ods
20012         33316         1.46         2.0E-63         9910365 NT           20095         3439H         0.82         2.0E-63 AB046844.1         NT           218-45         35810         1.06         2.0E-63 AL163210.2         NT           22374         35811         1.06         2.0E-63 AL163210.2         NT           23224         36707         0.56         2.0E-63 AL163218.2         NT           24058         37582         13.74         2.0E-63 AL163218.2         NT           24087         37614         2.32         2.0E-63 AF089810.1         NT           24087         37616         2.32         2.0E-63 AF089810.1         NT           24087         37616         2.32         2.0E-63 AF089810.1         NT           24087         37616         0.06         1.0E-63 F08485.1         EST_HUMAN           14547         27518         0.05         1.0E-63 F08485.1         EST_HUMAN           14547         27518         0.05         1.0E-63 F08485.1         EST_HUMAN	8910365 NT	Homo sepiens Cerbonic anhydrase-related protein 10 (LOC56934), mRNA
20895         34391         0.82         2.0E-63         AB046844.1         NT           21845         35267         3.8         2.0E-63         AL163210.2         NT           22374         35810         1.06         2.0E-63         11420849 NT           22374         35811         1.06         2.0E-63         11420849 NT           2324         36707         0.08         2.0E-63         11420849 NT           24058         37582         13.74         2.0E-63         AL163218.2         NT           24087         37614         2.32         2.0E-63         AF086810.1         NT           24087         37616         2.32         2.0E-63         AF086810.1         NT           25747         31516         6.02         2.0E-63         AF086810.1         NT           14547         27518         0.03         1.0E-63         F08485.1         EST_HUMAN           14547         27519         0.05         1.0E-63         F08485.1         EST_HUMAN	10385 NT	Homo sepiens Cerbanic anhydrasa-related protein 10 (LOC56934), mRNA
21845         35287         3.8         2.0E-63         AL169210.2         NT           22374         35810         1.06         2.0E-63         11420849 NT           22374         35811         1.06         2.0E-63         11420849 NT           2324         38707         0.08         2.0E-63         11420849 NT           24058         37582         13.74         2.0E-63         AL163218.2         NT           24087         37814         2.32         2.0E-63         AF086810.1         NT           24087         37615         2.32         2.0E-63         AF086810.1         NT           25747         31515         6.02         2.0E-63         AF086810.1         NT           14547         27518         0.03         1.0E-63         F08485.1         EST_HUMAN           14547         27518         0.05         1.0E-63         F08485.1         EST_HUMAN	LN L	Homo sapiens mRNA for KIAA 1624 protein, pertial cds
22374         35810         1.08         2.0E-63         11420849 NT           22374         35811         1.06         2.0E-63         11420849 NT           23224         36707         0.98         2.0E-63         AL163218.2         NT           24058         37582         13.74         2.0E-63 AL768218.2         NT           24087         37614         2.32         2.0E-63 AF088610.1         NT           24087         37615         2.32         2.0E-63 AF088610.1         NT           25747         31616         6.02         2.0E-63 AF088610.1         NT           14647         27518         0.03         1.0E-63 F08485.1         EST HUMAN           14547         27519         0.03         1.0E-63 F08485.1         EST HUMAN	2 NT	Hamo sapiens chramosame 21 segment HS21C010
22374         35811         1.06         2.0E-63         11420940 NT           23224         36707         0.98         2.0E-63 AL163218.2         NT           24058         37582         13.74         2.0E-63 AF088810.1         NT           24087         37614         2.32         2.0E-63 AF088810.1         NT           24087         37615         2.32         2.0E-63 AF088810.1         NT           25747         31616         6.02         2.0E-63 AF088810.1         NT           14647         27518         0.03         1.0E-63 F08485.1         EST_HUMAN           14547         27519         0.03         1.0E-63 F08485.1         EST_HUMAN	11420849 NT	Homo sapiens kinesin family member 3B (KIF3B), mRNA
23224         36707         0.98         2.0E-63         AL168218.2         NT           24058         37582         13.74         2.0E-63         N78945.1         EST HUMAN           24087         37615         2.32         2.0E-63         AF086810.1         NT           25747         31515         6.02         2.0E-63         T1418185 NT         NT           14547         27518         0.83         1.0E-63         F08485.1         EST HUMAN           14547         27519         0.93         1.0E-63         F08485.1         EST HUMAN	11420849 NT	Homo sapiens kinesin family member 3B (KIF3B), mRNA
24058         37582         13.74         2.0E-63         N78045.1         EST_HUMAN           24087         37814         2.32         2.0E-63         AF088810.1         NT           24087         37615         2.32         2.0E-63         AF088810.1         NT           25747         31515         6.02         2.0E-63         11418185 NT           14547         27518         0.93         1.0E-63         F08485.1         EST_HUMAN           14547         27519         0.63         1.0E-63         F08485.1         EST_HUMAN	NT	Homo sapiens chromosome 21 segment HS21C018
24087         37814         2.32         2.0E-63 AF089810.1         NT           24087         37615         2.32         2.0E-63 AF089810.1         NT           25747         31515         6.02         2.0E-63 AF089810.1         NT           14647         27618         0.93         1.0E-63 F08485.1         EST_HUMAN           14547         27519         0.93         1.0E-63 F08485.1         EST_HUMAN	EST HUMAN	zb18b05.s1 Sceres_fetal_lung_NbH.19W Home sepiens cDNA clone IMAGE:302385 3' similer to gb:X17208 40S RIBOSOMAL PROTEIN S4 (HUMAN);
24087         37616         2.32         2.0E-63         AF088810.1         NT           25747         31516         6.02         2.0E-63         11418185 NT           14647         27518         0.63         1.0E-63         F08485.1         EST_HUMAN           14547         27519         0.63         1.0E-63         F08485.1         EST_HUMAN	- N	Homo sepiens neureath III-alpha gene, pertial cds
25747         31515         6.02         2.0E-63         11418186 NT           14647         27518         0.83         1.0E-63 F08485.1         EST_HUMAN           14547         27519         0.83         1.0E-63 F08485.1         EST_HUMAN	ואַל	Homo sapiens neureuin III-alpha gene, pertial cds
14547 27519 0.83 1.0E-63 F08485.1 EST HUMAN 1.0E-63 F08485.1 EST HUMAN	1418185 NT	Homo sapiens aconitase 2, mitochondriai (ACO2), mRNA
14547 27519 0.93 1.0E-63 F08485.1 EST_HUMAN	EST_HUMAN	HSCZVD111 normalized infant brain cDNA Homo sepiens cDNA clone o-zvd11
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EST_HUMAN	HSCZVD111 normalized infant brain cDNA Homo sapiens cDNA clone c-zvd11
17397 30278 3.4 1.0E-63 F08485.1 [EST_HUMAN ]	EST_HUMAN	HSCZVD111 normalized infant brain cDNA Homo sepiens cDNA clone c-zwd11
17397 30277 3.4 1.0E-63 F08485.1 EST_HUMAN	EST_HUMAN	HSCZVD111 normalized Infant brain aDNA Homo explans aDNA clone o-zw111
5426 18529 31408 1.0E-63 A.1271736.1 INT Homo seplens Xq	₩.	Homo sapiens Xq pseudoautosomal region; segment 2/2

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor Source	QV0-ST0245-060100-083-b09 ST0215 Homo sapiens cDNA	UH+BI3-4Hh-02-0-UI.s1 NOI_CGAP_Sub5 Homo sepiens dDNA clone IMAGE:3088763 3'	UI-H-BI3-afth-02-0-UI s1 NCI_CGAP_Sub5 Hamo sapiens aDNA clane IMAGE:3088763 31	Hamo saplens chramosame 21 segment HS21C047	Hamo sepiens chranosame 21 segment HS210007	UHHF-BKO-each-09-0-ULT NIH_MGC_36 Homo septens cDNA clone IMAGE:3053153 6	tm50b07.x1 NCI_CGAP_Kid11 Homo sepiens cDNA clone IMAGE:2161525 3'	601155232F1 NIH_MGC_21 Hamo saplens cDNA dane IMAGE:3138038 5	601508968F1 NIH_MGC_71 Hamp saptens cDNA clane IMAGE:3910336 5	Homo sapiens Ran GTPase activating protein 1 (RANGAP1), mRNA	yb88b02.r1 Strategene lung (#837210) Homo sapiens dDNA clone IMAGE:78179 5	601311455F1 NIH_MGC_44 Hamo sepiens cDNA dane IMAGE:3033204 5	Homo saplens thimet oligopeptidase 1 (THOP1) mRNA	Homo sapiens thimet oligopeptidase 1 (THOP1) mRNA	Homo sapiens IQ motif containing GTPesse activating protein 1 (IQGAP1) mRNA	Homo sapiens EWS, garZ2, mp22 and barn22 ganes	W651607.X1 NCI_CGAP_GC9 Homo septems CDNA done IMAGE:2309220 3' similar to gb:M15182 BETA-	ALUCUNUMIDASE FRECUPSON (HUMAN),	wb51e07.x1 NCI_CCAP_GC8 Homo sepiens cDNA dans IMAGE:2309220 3' similar to gb:M16182 BETA- GLUCURONIDASE PRECURSOR (HUMAN);	wr13e03.xf NCI_CGAP_Bm23 Homo saplens cDNA clone IMAGE:2529436 3'	WM3e03.x1 NCI_CGAP_Bm23 Homo sapiens cDNA clone IWAGE25529436 3'	Homo saplens MCP-1 gene and enhancer region	Homo sapiens MCP-1 gene and enhancer region	Homo sapiens protein kinase C beta-li type (PRKCB1) mRNA, complete cds	Homo sapiens calcitonin receptor (CALCR), mRNA	Homo sapiens calcitratin receptor (CALCR), mRNA	Homo sapiens mesenchyme homeo box 1 (MEOX1), mRNA	Homo sapiens mesenchyme homeo box 1 (MEOX1), mRNA	Homo saplens acetyl-CoA synthetase (LOC55902), mRNA	Homo sapiens progressive ankylosis-like protetn (ANK) mRNA, complete cds	thic [human, brain, mRNA, 2716 nt]	Homo septens stromal antigen 3 (STAG3), mRNA	Homo septens stromal entigen 3 (STAG3), mRNA
Top Hit Detailbase Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		<b>EST_HUMAN</b>	EST_HUMAN	1.	Ä	NT	N-	MAGE BY TOO	ESI_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	뉟	NT.	IN	۲	2	TN	ΙN	FN.	M	NT	M	뉟
Top Hit Acession No.	1.0E-63 AW 582268.1	1.0E-63 AW451950.1	1.0E-63 AW451950.1	1.0E-63 AL163247.2	1.0E-63 AL163207.2	9.0E-64 AW 401433.1	9.0E-64 AJ478186.1	8.0E-64 BE280796.1	8.0E-64 BE885755.1	11418177 NT	T80651.1	7.0E-64 BE394321.1	4507490 NT	4507480 NT	4506786 NT	707848.1	7 0007201	6.0E-64 AI631992.1	6.0E-64 AI661992.1	6.0E-64 AW026445.1	6.0E-64 AW028445.1	/18933.1	718933.1	M3975.1	11422189 NT	11422189 NT	11525879 NT	11525879 NT	11420565 NT	8.0E-64 AF274753.1	6.0E-64 S78475.1	11420197 NT	11420197 NT
Most Similar (Top) Hit BLAST E Vatue	1.05-63/	1.0E-63/	1.0E-83	1.0E-63	1.0E-63/	9.0E-64	9.0E-64	8.0E-64	8.0E-64	8.0E-64	8.0E-64	7.0E-64	7.0E-84	7.0E-64	7.0E-64	7.0E-64 Y07848.1	100	5.UE-04/	6.0E-64	6.0E-64/	6.0E-84/	6.0E-64 Y18933.1	6.0E-64 Y18933.1	6.0E-64 M13975.1	8.0E-84	6.0E-84	6.0E-64	8.0E-64	6.0E-64	8.0E-64	6.0E-84	6.0E-64	6.0E-64
Expression Signal	97.84	0.72	0.72	2.94	5.18	0.56	4.61	2.74	328	822	2.63	9.0	32	32	0.04	4.78		3,80	3.86	425	4.25	2.43	2.43	6.33	0.71	0.71	2.85	2.85	7.07	1.78	244	4.48	4.48
ORF SEO ID NO:	32140	32855	32856			32370	34579		32509	-			30678	30679	34430	36704	i	21148	27749	29105	29108	31973	31974	31888	32209	32210		33785		36254	38473	37605	37606
Exan SEQ ID NO:	18953	19594	19594	21783	25859	19159	21169	14094	18336	25034	25070	16586	17783	17783	21032	23315	į	14/00	14785	16188	16196	18798	18798	18819	19015	19015	20412	20412	22635	22800	23003	24081	24081
Page SEQ ID NO:	5864	6531	6531	8816	13020	6200	8199	1048	8283	12187	12239	3540	4763	4763	808	10303		82/	1735	3139	3130	6703	5703	5725	6239	2828	7448	7446	2888	288	10076	1121	11121

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Table 4
Single Exon Probes Expressed in Bone Marrow

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	we87b01x1 NCI_CGAP_Kid11 Homo sepiens cDNA clone IMAGE:2462281 3' similar to contains element. L1 repetitive element;	Hamo sapiens chramosame 21 segment HS210046	Homo saplans chromosome 21 segment HS21C046	EST370215 MAGE resequences, MAGE Homo sapiens cDNA	EST370216 MAGE resequences, MAGE Hamo sepiens cDNA	AU124387 NT2RW2 Homo sepiens cDNA clone NT2RW2002113 5	Homo sapions engiopoletin 4 (ANG4) mRNA, partial ods	802123474F1 NIH_MGC_66 Homo sapiens cDNA clone IMAGE:4280395 5	oz29003.x1 Sceres, total fetus, NbZrHFB, BW Homo saptens GUNA Glone IMAGET167917 3	H.sapians dopamine receptor D5 pseudogene 1, partial cds	Homo sapiens ataxin 2-binding protein 1 (A2BP1), mRNA	QVI-HT0413-010200-059-h12 HT0413 Homo sepiens cONA	Homo septens lymphocyte cytosolic protein 1 (L-plastin) (LCP1), mRNA	Homo eapiens lymphocyte cytosolic protein 1 (L-plestin) (LOP1), mRNA	Homo saplens hypothetical protein SBBIG7 (LOC57115), mRNA	AU132570 NT2RP4 Hamo septens CDNA clane NT2RP4000109 5	602042862F1 NCI_CGAP_Bm67 Hamo saplens cDNA dane IMAGE:4180556 6	wn81b08x1 NC_CGAP_UH Hamo septens cDNA clane IMAGE:2462211 3	wn81b06.x1 NCI_CGAP_Ut1 Hamo sapiens cDNA clane IMAGE-2452211 3"	601185078F1 NIH_MGC_8 Hamo sepiens d.N.A. dane IMAGE:3542872 5	601185078F1 NIH_MGC_8 Homo septems cDNA clone MAGE:3542822 6	Homo sepiens period (Drosophila) homolog 3 (PER3), mRNA	CHR220101 Chromosome 22 evan Homo seplens cDNA clane C22_132.5	Homo sepiens chromosome 21 unknown mRNA	aus0co1 x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE2519136 3' similiar to gb:L21696_cds1 PROTHYMOSIN ALPHA (HUMAN);contains element MSR1 repetitive element;	Homo sepiens synsphojemin 1 (SYNU1), mRNA	Homo sepiens transcription factor (GHM enhancer 3, JM11 protein, JM4 protein, JM5 protein, T54 protein,	JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaptophysin genes,	se calclum channel a>	mRNA, pertial cds	mRNA, perdial ccis	Homo sepiens hypothetical protein FLJ11026 (FLJ11026), mRNA
	wo87b01.x1 NCI_CGAI	Homo sapiens chromos	Homo septens chromos	EST370215 MAGE res	EST370215 MAGE res	AU124387 NT2RM2 H	Homo sapiens angiopol	602123474F1 NIH_MG	az29b03.x1 Sogres, bot	H.sapiens doparnine re	Hamo sepiens atadin 2-	QV1-HT0413-010200-0	Homo sapiens fymphoc	Homo sapiens lymphoc	Homo sapiens hypothe	AU132570 NT 2RP4 HK	602042882F1 NCI_CG	Wm81b08x1 NCI_CGA	wn81b08.x1 NCI_CGA	601185078F1 NIH_MC	601185078F1 NIH MC	Homo sapiens period (I	CHR220101 Chromosc	Homo sepiens chromo	gb:L21696_ods1 PRO	Homo sapiens synapto	Homo septems transcrit	JM10 protein, A4 differ	complete cds; and L-type calcium channel a>	Homo sepiens TRIAD3 mRNA, pertial cds	Homo sepiens TRIAD3 mRNA, pertial cds	Homo sapiens hypothe
Top Hit Database Source	EST_HUMAN	FA.	M	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	M	EST_HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	NT	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	N N	EST HUMAN	¥			뒫	۲	NT	토
Top Hit Acession No.	2.0E-64 Al927030.1	2.0E-64 AL163246.2	2.0E-64 AL163246.2	3.1	2.0E-64 AW958145.1	2.0E-64 AU124387.1	2.0E-64 AF113708.1	2.0E-64 BF688537.1	2.0E-64 AI078387.1	2.0E-64 M77185.1	11431054 NT	2.0E-64 AW606785.1	11434008 NT	11434008 NT	11423508 NT	2.0E-84 AU132570.1	2.0E-84 BF528114.1	2.0E-64 Al922911.1	2.0E-64 Al922911.1	2.0E-64 BE269680.1	2.0E-64 BE269660.1	8587387 NT	2.0E-64 H55162.1	1.0E-64 AF231919.1	AI829419.1	4507334 NT			1.0E-64 AF196779.1	1.0E-64 AF228527.1	1.0E-64 AF228527.1	TN 6282268
Most Similar (Top) Hit BLAST E Vatue	2.05-64	2.0E-64	2.0E-64	20E-84	2.0E-84	2.0E-64	2.0E-64	2.0E-84	2.0E-64	2.0E-64	2.0E-64	2.0E-64	2.0E-64	20E-64	2.05-64	2.0E-64	2.0E-84	2.0E-64	2.0E-64	2.0E-64	2.0E-84	2.0E-84	∴ 2.0E-64	1.0E-84	1.0E-84	1.0E-84			1.0E-64	1.0E-64	1.0E-64	1.05-64
Epression Signal	2.06	3.13	3.13	29.0	79.0	22	1.38	4.02	1.5	3.88	0.57	0.56	5.60	5.69	0.43	96'0	3.74	4.59	4.59	1.80	1.89	1.47	3.54	1.48	17.02	0.81			5.73	1.38	1.38	2
ORF SEQ ID NO:		28560		29748	29749	32424	32681		33080	33208				35401				37866		38301	38302	31844		26279	77807				29482		29563	29870
Exan SEQ ID NO:	15533			<u></u>	16841	19199			19800	19912			L			L	L	24337		24718	24718	25122	25383		14873		L.		16568	16643		16957
Probe SEQ ID NO:	888	2536	2536	3801	3801	6121	8370	6632	6745	6889	818	8184	9016	8016	8	8898	11114	11391	11391	11833	11833	12316	12744	258	Î,	3024			3522	3598	3668	3917

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Single Exon Probes Expressed in Bone Marrow

					- A		
Probe SEQ ID NO:	SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Detabase Source	Top Hit Descriptor
10424		36831	99'0	1.0E-64	AA042975.1	EST_HUMAN	2453008.s1 Scenes_pregnant_uterus_NbHPU Homo septems cDNA clone INAGE:4865673
12288			2.03	1.0E-64	1.0E-64 AL163246.2	MI	Homo seplens chromosome 21 segment HS21C046
2284			1.64	9.0E-65	9.0E-65 X89211.1	IN	H.sapiens DNA for endogenous retroviral like element
2284	15297	28822	1.64	9.0E-66	9.0E-66 XB9211.1	NT	H. sapiens DNA for endogenous retroviral like element
11863	24745		35.25		9.0E-65 BF330678.1	EST_HUMAN	QV4-BT0257-081199-017-e03 BT0257 Homo saplens cDNA
11837	24720	38305	72.7	8.0E-65	8.0E-66 A1929244.1	EST HUMAN	eu58h07x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMACE:25190053' similar to SW:PL21_HUMAN P46778 60S RIBOSOMAL PROTEIN L21
10515	23437			7.0E-65	7.0E-65 BE081653.1	EST HUMAN	QV2-BT0635-240400-162-c02 BT0635 Homo sapiens cDNA
1059	14105	27056	273	6.0E-65	6.0E-65 AV721898.1	EST_HUMAN	AV721898 HTB Hamo sepiens cDNA clone HTBBZC08 5
1938	14962		12.23	6.0E-65	6.0E-65 AA560829.1	EST_HUMAN	nj86410.st NCI_CGAP_Pr11 Home capiens cDNA clone IMACE:989379 similer to gb:K03002 60S RIBOSOMAL PROTEIN L32 (HUMAN);
6721	19777	93026	78.0	6.0E-65	6.0E-65 AA503892.1	<b>EST_HUMAN</b>	nh37b07.s1 NCI_CGAP_Pr5 Homo septiens cDNA clone IMAGE:954517
9606	22064	35489	2.49	6.0E-85	6.0E-e5 AW083252.1	EST HUMAN	207509.x1 NCL CGAP_Co21 Homo sepiens oDNA clone IMAGE:2583545 3" shriter to TR:Q63309 Q63309 LONG INTERSPERSED REPETITIVE DNA CONTAINING 7 ORFS, contains L1.b2 L1 repetitive element:
8385	22330	35759		8.0E-85	8.0E-85 AA427878.1	EST HUMAN	zw53b06.s1 Scares_botal_fatus_Nb2HFB_9w Homo sepiens cDNA clone IMAGE:773747.3'
8365		35760	4.16	8.0E-86	8.0E-86 AA427878.1	EST_HUMAN	ZW53b08.s1 Scares_total_fetus_Nb2HF8_9w Homo sapiens cDNA clone IMAGE:773747.3'
9428	22383	35832	1.08	8.0E-85	6.0E-65 A1085314.1	EST_HUMAN	qf18h05x1 NCI_CGAP_Bm25 Homo saplens cDNA clone IMAGE:17504253*
8429		35833	1.08	6.0E-85	6.0E-65 Al085314.1	EST_HUMAN	qf18h05.x1 NCI_CGAP_Bm25 Homo sepiens cDNA clone IMAGE:17504253'
122			2.59	6.0E-65	6.0E-65 BE567816.1	EST_HUMAN	801340485F1 NIH_MGC_53 Hamo saplens cDNA dane IMAGE:3682877 5
11378			1.51	8.0E-85	6.0E-65 BF340825.1	EST_HUMAN	602037721F1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4185677 5
11825		38291	1.8	6.0E-85	6.0E-65 AL163210.2	M	Homo sapiens chromosome 21 segment HS210010
832			1.82		AF06460	된	Homo sapiens KEC3 protein mRNA, pertial cds
1355			1.22	5.0E-85	7881951 NT	M	Homo sepiens KIAA0156 gene product (KIAA0156), mRNA
1355	14390	27360	1.22	5.0E-85	7881951 NT	Nī	Homo saplens KIAA0156 gene product (KIAA0156), mRNA
2484		28200	1.61	5.0E-85	5.0E-65 AB033768.1	NT	Homo eapiens HPAD-colony10 mRNA for peptidy/arginine deiminase type I, complete cds
3269		29245	2.13	5.0E-65		¥	Homo sapiens ubrquitin specific protesse 13 (Isopeptidase T-3) (USP13) mRNA
3269		29246	213	5.0E-85	4507848 NT	NT	Homo expitens ubiquitin specific protesse 13 (isopepitdase T-3) (USP13) mRNA
7052		33381	1.18	5.0E-85	04606	NT	Homo saplens interferon-related developmental regulator 1 (IFRD1), mRNA
10833		37253	1.28	5.0E-85	1	TN	Multiple scienosis associated retrovirus polyprotein (pol) mRNA, partial cds
<del>2</del> 6	13296	26224	2.33	4.0E-65	4.0E-65 AL120419.1	EST_HUMAN	DKFZp781G108_r1 761 (synonym: hamy2) Homo sapiens cDNA done DKFZp781G108 5
747	13808	26748	1.29	4.0E-65	4.0E-65 AI286468.1	EST_HUMAN	qm/46e01.x1 Scarres_placenta_8toBweels_2ND/IP8to9W Homo sepiens cDNA clone IMAGE:1891800 3"

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Single Exon Probes Expressed in Bone Marrow

II Top Hit Descriptor		Homo sapiens fragile X mental retardation, eutosomal homolog 1 (FXR1), mRNA	Homo sapiens ribosomal protein L34 (RPL34) mRNA		Homo sapiens mRNA for KIAA1267 protein, partial cds	Homo sapiens mRNA for KIAA1267 protein, partial cds	Homo sapiens oxysteral binding protein-related protein 3 (ORP3) mRNA, complete cds	Human clabindin 27 gene, exons 10 and 11, and L1 and Alu repeats	Homo sapiens hypothetical protein FL/22087 (FL/22087), mRNA	Human 3,5 cyclic nucleotide phosphodiesterase (HSPDE1C3A) mRNA, partial cds	Human 3,5' cyclic nucleotide phosphodiesterase (HSPDE1C3A) mRNA, partial ods	Human MAP kinase kinase 6 (MKK6) mRNA, complete cds	Homo saplens nei (chtcken)-ilke 2 (NELL2), mRNA	Homo saplens nel (chicken)-ilke 2 (NELL2), mRNA	Homo sapiens Janus kinase 2 (a protain tyrosine kinase) (JAK2), mRNA	Homo sapiens WEE1 gene for protein kinase and pertial ZNF143 gene for zinc finger transcription factor	Т	Т	Homo sapiens fragile X mental retardation, autosomal homolog 1 (FXR1), mRNA	Г	Homo sapiens pre-B-cell colony-enhancing factor (PBEF) mRNA	Homo sapiens pre-B-cell colony-entrancing factor (PBEF) mRNA	H.sepiens HZF9 mRNA for zinc finger protein		T	Home septens micha tor KLAAUZ35 protein, partial cos	Homo sepiens feminin, beta 1 (LAMB1), mRNA	OvZ3f03.s1 Scenes_testis_NHT Homo sapiens cDNA clone IMAGE:1638173 3' similar to contains element.	Т		IAN 601479686F1 NIH_MGC_68 Hamo sepiens cDNA clone IMAGE:3882405 5
Top Hit Database Source	EST_HUMAN	¥	¥	EST_HUMAN	N T	NT	NT	Į	NT	IN	NT	Ę	¥	Ę	Ę	   	FST HIMAN	Ę	Ę	EST_HUMAN	F	٦	IN		EST HUMAN	닐	ΙN	NAMIN TSE		¥	EST_HUMAN
Top Hit Acesslon No.	AI288468.1	4826735 NT	4506636 NT	4.0E-65 AW993185.1	4.0E-65 AB033093.1	4.0E-65 AB033083.1	4.0E-65 AY008372.1	4.0E-65 M19879.1	11545780 NT	4.0E-65 U40372.1		4.0E-65 U39656.1	5453785 NT	6463766 NT	11429127 NT	4 0F-86 A 1277648 2	Ţ	_	4826735 NT	4.0E-65 AL 120419.1	5031976 NT		3.0E-65 X78932.1		3.0E-85 A1000692.1	D87078.	4504950 NT	3 OF AK AIDDREDS 4	Allowood. 1	6912385 NT	3.0E-65 BE787368.1
Most Similar (Top) Hit BLAST E Vælue	4.0E-65	4.0E-65	4.0E-65	4.0E-65	4.0E-65	4.0E-65	4.0E-65	4.0E-65	4.0E-65	4.0E-65	4.0E-65	4.0E-85	4.0E-65	4.0E-65	4.0E-65	4.05-85	A OF AS	4.0E-65	4.0E-65	4.0E-65	3.0E-65	3.0E-65	3.0E-65		3.0E-85	3.0E-65	3.DE-65	2 OE 85	9.0E-00	3.0E-65	3.0E-65
Expression Signal	82	1.51	15.66	78.0	4.17	4.17	0.62	28.0	248	0.58	0.58	0.81	0.78	0.78	1.34	2.65	800	8.02	8.	1.6	3.16	6.62	22.13		1.7	0.74	99:0	1 8	10:1	1.33	1.42
ORF SEQ ID NO:	28749	27077	27489	20025	32585	32586	33595	33638	33748	34124	34125	34452	34549				44448	37918	77072	26224	26139	26139			27868	28979	29264	8000	00000		36835
Exan SEQ ID NO:	13808	14124	14515	17011	18351		20261	20295	20396	20740	20749	21055	2114	L	L	29865	24264	24378	14124	13286	13214	13214	15819	L		16061	16343	40770	107.70		23351
Probe SEQ ID NO:	747	- 80 80	1482	3971	6279	6273	7280	7324	7429	7077	1811	8118	8174	8174	9501	40045	44804	11434	12808	13091	26	88	1236		1840	<b>3003</b>	3280	, i	\$0.00	4670	10429

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	Top Hit Descriptor	zw65e06.r1 Scenes_testis_NFT Homo sepiens cDNA clone IMAGE:781042 6	602155062F1 NIH_MGC_83 Hamo septens CDNA clane IMAGE:4295908 5	601190883F1 NIH_MGC_7 Hamo sapiens cDNA clone IMAGE:3534741 5	602134359F1 NIH_MGC_81 Hamo septems cDNA clans IMAGE:4288295 5	Homo seplens mRNA for FLJ00056 protein, partial cds	Homo sepiens mRNA for FL 100056 protein, partial cds	EST178755 Colon carcinoma (HCC) cell line Homo sapiens cDNA 5' end similar to similar to endogenous refrantes	601954093F1 NIH MGC 57 Homo sepiens cDNA clone IMAGE:4073769 5	Homo sepiens putetive Rebb GDP/GTP exchange factor homologue (RABEX5), mRNA	Homo sepiens mRNA for KIAA1513 probein, pertial cds	hz24a09x1 NCI_CGAP_GC8 Homo septems cDNA clone IMAGE:3208888 31	Homo sepiens glypican 4 (GPC4) mRNA	Homo sepiens glypican 4 (GPC4) mRNA	wx09c09.x1 NCI_CGAP_Gas4 Homo saplens cDNA clone IMAGE:2543152.3'	wadectext NCI_CGAP_Cess Homo sepiens oDNA clone IMAGE:25431523'	QV0-BT0702-170400-194-f09 BT0702 Homo sapiens cDNA	QV0-BT0702-170400-194-f09 BT0702 Homo sapiens cDNA	qh88h07.x1 Soares_NFL_T_GBC_S1 Homo sepiens cDNA clone iMAGE:1854109 3' stritier to TR:Q07823 Q07823 MAC30 PROTEIN ;	QV2-ST0298-140200-042-f12 ST0298 Homo sapiens cDNA	QV2-ST0298-140200-042-f12 ST0288 Homo sepiens cDNA	601568124F1 NIH_MGC_21 Hamo septems cDNA clane IMAGE:3841012 6	601566124F1 NIH_MGC_21 Hamo septems cDNA clane IMAGE:3841012 5	AU141285 THYRO1 Homo septens aDNA clane THYRO1000356 5	AU141285 THYRO1 Hamo septens aDNA alone THYRO1000356 6"	602126239F1 NIH_MGC_56 Hamo septens cDNA done IMAGE:4283313 5	AU128040 NT2RP2 Hamo septens aDNA clane NT2RP2004714 5	AU129040 NT2RP2 Hamo sepiens oDNA clane NT2RP2004714 5	Homo septens inositol 1,4,5-triphosphate receptor, type 1 (ITPR1), mRNA	qd58a02x1 Soares_testis_NHT Homo saptens cDNA clone IMAGE:1733450 3' similar to gb:M29581 ZINC FINGER PROTEIN 8 (HUMAN);contains MER19.t1 MER19 repetitive element ;	AU153793 NT2RP3 Homo sapiens cDNA clone NT2RP3004016 3'.	zf75e04.r1 Scares_pineal_gland_N3HPG Homo saplens cDNA clone IMAGE:382734 5
	Top Hit Database Source	EST HUMAN 2M	EST HUMAN 60	EST_HUMAN 60	EST_HUMAN 60	M	NT	ES CHIMAN IN	T			EST HUMAN hz	Т	H F	EST_HUMAN wx	EST_HUMAN w	EST_HUMAN O	EST_HUMAN Q	EST HUMAN CX			EST_HUMAN 60	EST_HUMAN 60			EST HUMAN 60		EST HUMAN A		EST HUMAN FI	П	EST_HUMAN   27
2800	Top Hit Acession No.	3.0E-65 AA430006.1	-	2.0E-85 BE263373.1	]1	2.0E-65 AK024463.1	1	O OF SE AASOTONA 4		57495	1.0E-65 AB040946.1	-	24082	4504082			1.0E-65 BE089509.1	1.0E-65 BE089509.1		<b>.</b>	۳.	1.0E-65 BE732118.1	1	1	1		1.0E-65 AU129040.1		131994	1.0E-65 AI194716.1		
	Most Similar (Top) Hit BLAST E	3.0E-65	20E-85	2.0E-85	2.0E-65	2.0E-85	2.0E-65 /	30 30 6	S S S S S S S S S S S S S S S S S S S	1.0E-65	1.0E-85/	1.0E-66	1.0E-65	1.0E-85	1.0E-85	1.0E-85	1.0E-65	1.0E-85	1.05-65	1.0E-85	1.0E-65	1.0E-65	1.0E-85	1.0€-65	1.0E-65/	1.0E-85	1.0E-85	1.0E-85	1.0E-65	1.05-65	1.0E-85	1.0E-65
	Expression	8.57	6.08	4.55	27.64	1.26	1.26	37.0	2 7	25	1.07	0.8	1.71	1.71	24	24	0.54	25.0	0.61	5.47	5.47	2.16	218	214	214	2	226	225	252	5.48	1.28	0.64
	ORF SEQ ID NO:	37433	29384		33653	35582	35588		†	888	28095	28861	28962	20063	30147	30148	31332	31333	31585	34080	34981	32009	35010	35050	35051	35586	35769	35770		36136		37085
	Exam SEQ ID NO:	23916	16463	19743	20310	22168	22163	Gue	2000	13811	15075	18434	17061	17081	17283	17283	18463	18463	18661	21585	21585	255	259	21630	21630	22158	22339	68822	22351	22881	23170	23587
	Probe SEQ ID NO:	11718	3415	9888 888	7338	9197	9197	,	3 6	3 3	2858	3385	4023	4023	4234	4234	5358	8388	368	8597	8597	8823	8823	8862	8862	2925	8374	8374	888	9832	10245	10665

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IGIO EXOTI PIODOS EXPROSSOS III DOLIO INZILION	Top Hit Descriptor	Homo sapiens mRNA for KIAA1411 protein, partial cds	Human platelet factor 4 varation 1 (PF4var1) gene, complete ods	Homo septens ribosomal protein L7a (RPL7A) mRNA	602/28239F1 NIH_MGC_56 Homo septems cDNA clone IMAGE:4283313 5	ts78a08.x1 NG_CGAP_GC6 Homo septens cDNA clone IMACE:2237170 3' similar to gb:L15533_ma1 PANCREATITIS ASSOCIATED PROTEIN 1 PRECURSOR (HUMAN);	Homo sapiens TNF-inducible protein CG12-1 (CG12-1), mRNA	Homo sapiens cadherin EGF LAG seven-pass G-type receptor 1 (CELSR1), mRNA	Homo sapiens sulfotransferase-related protein (SULTX3), mRNA	Novel human gane mapping to chanosome 22	Novel human gene mapping to chamosome 22	Homo sapiens 28S protessome essociated pad1 homolog (POH1) mRNA	Homo sapiens 28S proteasome-associated pad1 homolog (POH1) mRNA	Human transposon-like element, partial	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	Novel furnen gene mapping to chanceame X	zv80c05.ri Sogres, NirHMPu, S1 Hamo sepiens cDNA dane IMAGE:767048 6"	RC4-BT0311-141189-011-h06 BT0311 Homo saplens cDNA	wm57707.x1 NCI_CGAP_Lu19 Hamo septens cDNA clane IMAGE:2449597 3' stmiter to WP:F1559.4A CE18595 :	wn57h07x1 NCI_CGAP_Lu19 Homo septens cDNA clone IMAGE:2449597 3' similar to WP:F15G9.4A	CE18595;	wn57h07.x1 NCI_CGAP_Lu19 Hamo sepiens cDNA clane IMAGE:24496973' similiar to WP:F15G9.4A CE18595 :	PM2.HT0604-030300-001-b08 HT0604 Homo sepiens cDNA	H.sapiens mRNA for ribosomal protein L31	RC4-BT0311-141199-011-h06 BT0311 Hamo sepiens cDNA	Hamo sapiens thyroid harmone receptor binding protein (AIB3), mRNA	Mus musculus fragile X mental retardation syndrome 1 honolog (Frurt), mRNA	RC1-NN0063-100500-022-a02 NN0063 Homo septems cDNA	H.sapiens DNA for endogenous retrovinal like element	Homo sapiens germ-line DNA upstream of Jkappa locus	Human endogenous retrovirus, complete genome
XOII FIODES C	Top Hit Detabase Source	NT	IN.		EST_HUMAN	17.1 EST_HUMAN	1			NT	NT			NT	NT	TN		EST_HUMAN	EST HUMAN	EST HUMAN		EST_HUMAN	EST HUMAN	Т	K	EST_HUMAN	¥		T. HUMAN	NT	NF	N.
	Top Hit Acession No.	1.0E-65 AB037832.1		TN 0999051	1.0E-65 BF698707.1	U621017.1	1.0E-65 11418041	11418322 NT	11418248 NT	9.0E-66 AL160311.1	9.0E-66 AL160311.1	5031980	5031980 NT	187299.1					7.0E-66 BE064410.1			6.0E-66 Al924663.1	R DE LOS AIGO 4653 1		F	2	20557	0879816 NT	4.0E-66 AW 897798.1		4.0E-68 AJ223364.1	9635487 NT
	Most Similar (Top) Hit BLAST E Vatue	1.0E-85/	1.0E-85 MZ8167.1	1.0E-65	1.0E-85	1.0E-85/	1.0E-85	1.0E-65	1.0E-65	9.0E-66/	9.0E-68	8.0E-66	9.0E-68	9.0E-66 M87299.1	9.0E-06 M72393.1	9.0E-68 M72393.1	9.0E-68	8.0E-88	7.0E-66	8 OF -88 /		8.0E-68	8 0F-86	8.0E-86	6.0E-66 X59181.1	5.0E-86	5.0E-88	4.0E-68	4.0E-68	4.0E-66 X89211.1	4.0E-68	4.0E-88
	Expression Signal	1.02	7.57	10.37	2.43	1.89	3.13	7.2	1.87	98'0	96.0	080	86.0	6.17	97.0	0.74	£.0	1.58	1.48	5		<u>9</u> .	7	0.62	4.18	4	15.54	130	1.10	184	2.82	3.19
	ORF SEQ ID NO:	37371	37501	37620	37965	38040		31815		28110	28111	27361	27362		29868	29860	30631	30629		30304		30305	30306		37985	27373	36041	28797	27784	28325		
	Exan SEQ ID NO:	23855	23976	24091	24408	24488	25105	25168	25427	13190	13180	1439H	14391	14513	16966	16956	17739	17737	24841	47.424		17421	47424	21744	24438	14403	22583	13850	14779	15301	15485	17840
	Probe SEQ ID NO:	10835	11011	11131	11465	11545	12288	12391	12789	22	22	1356	1356	1480	3916	3018	4719	47117	11675	EQ.		4383	, we have	87777	11493	388	88	2	138	2288	2481	4823

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Table 4
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Probe SEQ ID NO: NO: 1020 11706 1424 1424 1888	SEQ 1D NO: NO: 18726 18825 18388 21382 21441 23885 2441 14457 14457	ORF SEQ ID NO: 31887 32109 31266 34859 34859 34859 37512 27432 27433	Signal Si	Most Similar (Top) Hit BLAST E Velus 4.0E-66 4.0E-68 4.0E-68 4.0E-68 4.0E-68 4.0E-68 3.0E-68 3.0E-68 3.0E-68 3.0E-68	Top Hit Acessicn No. 11428643 AW939119.1 AW966473.1 11428643 11421838 X67147.1 BF507493.1 AB023215.1 A602098 A502098	Top Hit Database Source Source Source EST_HUMAN EST_HUMAN NT NT NT NT NT NT NT NT NT NT NT NT NT	Top Hit Descriptor  Homo sepiens methylene tetrahydrotelate dehydrogenase (NAD+ dependent), methenyftetrahydrotelate cyclorydrotelase (MTHFD2), mRNA  EST377546 MAGE resequences, MAGI Homo sepiens cDNA  EST377546 MAGE resequences, MAGI Homo sepiens cDNA  Homo sepiens cAMP-regulated guerrine nucleotide eachange factor I (cAMP-GEFI) mRNA, complete ods  Homo sepiens methylane tetrahydrotelate dehydrogenase (NAD+ dependent), methenyftetrahydrotelate oyclorydrotelase (MTHFD2), mRNA  Homo sepiens methylane tetrahydrotelate dehydrogenase (NAD+ dependent), methenyftetrahydrotelate oyclorydrotelase (MTHFD2), mRNA  Homo sepiens informate retrovirus pHE 1 (ERV9)  UHHSW1-emr-e-10-0-U.I.s1 NICI CGAP_SU07 Homo sepiens GNA clone IMAGE:3070747 3°  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens southe carrier family 25 (mitochondrial protein, mRNA)  Homo sepiens multiple sclerosie 2 2019HNSP Homo sepiens cDNA clone IMAGE:284328 6 femiliar to
1999	11_1	28028 28029 28729	1.07	3.0E-88 3.0E-86	N66323.1 N56323.1	EST_HUMAN EST_HUMAN NT	YZ.1912.1 Screes_Intuitible_ZOROSIS_ZYROTHINST_TATIRD Septemb CAPA CALIFORD INVOICE. COPACIO SINTERED SW.+HZB1_TIGCA P35088 HISTONE HZB1.1/HZB2_[2] PIREB56812;  SW.+HZB1_TIGCA P35088 HISTONE HZB.1/HZB2_[2] PIREB56812;  Homo saptems TGF[beta]-Induced transcription factor 2 (TGIPZ), mFNA
3134 5642 5857	16191 18839 18753	31579	6.79 0.78	3.0E-66 3.0E-66	7882223 AB020689.1 M13975.1	אַל	Homo sapiens KIAA0849 gene product (KIAA0849), mRNA Homo sapiens mRNA for KIAA0892 protein, partial cds Homo sapiens protein kinase C beta-li type (PRKCB1) mRNA, complete cds
5867	1 1 1	32143	1.49	3.0E-88 3.0E-86	11417846	אַל	Homo sepiens NIPSNAP, C. elegens, homotog 1 (NIPSNAP1), mRNA Homo sepiens NIPSNAP, C. elegens, homotog 1 (NIPSNAP1), mRNA
7680 9883 10077 10433	20820 22836 23355			3.0E-66 3.0E-66 3.0E-66	X92211.1 AK024453.1 11417118 7019480	<b>של של של</b>	H.septens germitine immunogiobulin heavy chain, variable region, (19-1) Homo expiens mRNA for FLJ00045 protein, partial cds Homo sxpiens KIAA0439 protein (KIAA0433), mRNA Homo sxpiens protecadherin beta 1 (PCDH-beta1), mRNA
10889		37315	0.97	3.0E-66	3.0E-66 AF155659.1	Ę	Homo sapiens molyodenum cofactor biosysthesis protein E (MCBPE) mRNA, complete cds

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Top Hit Descriptor	Homo sapiens jun dimerization protein gene, pertial cds; cfos gene, complete cds; end unknown gene	EST380820 MAGE ressquences, MAGJ Homo saplens cDNA	Homo sapiens Ran GTP ase activating protein 1 (RANGAP1), mRNA	GUTGOOZKI SCHREIGE fetal brain 00004 Homo sapiens CONA clone IMAGE:2782083 S' shribar to gb::MS7104 ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRIAL PRECURSOR (HUMAN);	EST86812 Testis I Home saplens cDNA 5 and similar to similar to C. elegans hypothetical protein, cosmid 2K363	zh58005,11 Soares fetal liver_spleen_1NFLS_S1 Homo sepiens cDNA clone IMAGE:416049 6	zh68065,11 Soares_fetal_liver_spisen_1NPLS_S1 Homo sapiens cDNA cione IMAGE:416049 6	Homo septens inositol 1,3,4-triphosphate 5/6 ldnese (TPK1), mRNA	Homo saplens inositol 1,3,4-triphosphate 5/6 kinase (ITPK1), mRNA	au75002x1 Schneider fetal brein 00004 Homo sapiens cDNA cione IMAGE:2782083 3° similar to gb:1437104 ATP SYNTHASE COUPLING FACTOR 8, MITOCHONDRIAL PRECURSOR (HUMAN);	Homo sapiens zinc finger protein 304 (ZNF304), mRNA	Homo sapiens adaptor-related protein complex 2, beta 1 subunit (AP2B1), mRNA	Homo sapiens adaptor-related protein complex 2, beta 1 subunit (AP2B1), mRNA	Homo sapiens ATPese, H+ transporting, lysosomal (vacuoler proton pump) non-catalytic accessory protein 1A (110/116kD) (ATPGNIA), mRNA	Homo sapiens nuitochondrial carrier family protein (LOC65972), mRNA	Homo sepiens mitochondrial cerrier family protein (LOC56972), mRNA	Homo saplens latent transforming growth factor beta binding protein 2 (L.TBP2) mRNA	Homo sapiens retinaldehyde dehydrogenase 2 (RALDH2), mRNA	Human cytochrome oxidase subunit VIa (COX8A1P) pseudogene, complete cds	Homo sepiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sepiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens gene for AF-8, complete cds	Homo sapiens calcium channel, voltage-dependent, alpha 2/delta subunit 1 (CACNA2D1), mRNA	H.seplens mRNA for acetyl-CoA carboxylase	Homo expiens mRNA for transmebrane receptor protein	Homo sapiens PMP69 gene, excns 3,4,5,8 & 7	Homo septens refinchlastoma 1 (including ostacsarcoma) (RB1) mRNA	Homo captens Synapsin III (SYN3) mRNA, and translated products	Homo sepiens Synapsin III (SYN3) mRNA, and translated products
Top Hit Database Source	Ŧ	T HUMAN		EST HUMAN A	Γ	Г	Г			THUMAN									H H			H			TN IN	H			
Top Hit Acession . No.	1.0E-66 AF111167.2	1.0E-68 AW968744.1	11418177 NT	7.0E-67 AW 162232.1				7857243 NT	7857243 NT	7.0E-67 AW162232.1	10190695 NT	11425572	11425572 NT	4865084 NT	11419212 NT	11419212 NT	4567732 NT	836044	U82486.1	11430460 NT	11430460 NT	7.0E-67 ABO11399.1	11421527 NT	6.0E-67 X88968.1	6.0E-67 Z17227.1	6.0E-67 Y14320.1	4508434 NT	4507332 NT	4507332
Most Similar (Top) Hit BLAST E Value	1.0E-86	1.0E-86	9.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-87	7.0E-67	7.0E-87	7.0E-67	7.0E-87	7.0E-87	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-67	7.0E-87	7.0E-67	7.05-67	7.05-87	7.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-67	6.0E-87	6.0E-67
Expression Signal	2.47	1.69	2.76	2.51	123	1.19	1.19	1.02	1.02	2.78	96'0	1.82	1.82	1.14	1.13	1.13	0.69	6.73	2.45	1.92	28.1	1.06	1.44	1.19	1.7	206	1.16	1.33	1.33
ORF SEQ ID NO:	37767	38322		28425		1	27662	28086	28087			L	32717	33233	34216	34217	35056	35681	38458	38619	38620	31789		26648	26802			29414	29415
Exan SEQ ID NO:	24240	24736	25170	13483	14418	14580	14690	15067	15067	13483	19273	19469	19469	18837	20836	20836	21634	1_	L.	25019	25019	25323	25581	13831	13855	14313	16238	16497	16497
Probe SEQ ID NO:	11280	11863	12898	88	138	1558	1558	2048	888	2824	9180	ठु	9401	8885	7883	7893	8888	8284	11885	12169	12169	12639	13009	<b>198</b>	788	1278	3183	3451	3451

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Top Hit Descriptor	Homo eapiens chromosome 21 segment HS21C001	Homo saplens chromosome 21 segment HS21 C001	Homo sapiens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo sepiens DKFZp434P211 probsin (DKFZP434P211), mRNA	Hamo saptens B-ATF gene, complete cds	Homo sapiens B-ATF gene, complete cds	Hamo septems T cell receptor beta locus, TCRBV7S3A2 to TCRBV1252 region	PM3-BN0178-100400-001-g04 BN0178 Hamo sepiens cDNA	yn02d11,r1 Soares adult brain N2b4HB557 Homo sapiens cDNA clone IMAGE:10/233 5	g28.05.56 NCL_CGAP_Kld3 Homo sapiens cDNA clone IMAGE:1483288 3° similist to SW:233A_HUMAN 00.6730 ZINC FINGER PROTEIN 33A ;	RCO+170834-150900-026-c03 HT0934 Homo saplens cDNA	mw08a01.s1 NCI_CGAP_SS1 Homo expiens cDNA clone IMAGE:1238472 S' similar to TR:010385 010385	PRO-POL-DUTPASE POLYPROTEIN;	EST37803 Embryo, 9 week Homo sapiens cDNA 5 and	MR3-SN0068-040500-008-f01 SN0068 Homo sepiens cLNA	Homo septens chromosome 21 segment HS21C079	hrefroski NCI_CGAP_Kid11 Hamo sapiens dDNA dane IMA(dE:3134913 3' sunitat to 5 W. NOVP_MOUSE. Oefose GTP-RHO BINDING PROTEIN 1 ;	om/8h07 at Somes NF. T GBC S1 Home sentens cDNA done IMAGE:1541365 3"	Land TO NO COAD 1124 Horns sentens CONA close IMAGE 3183138 3' strafer to WP:F23H11.9	IM INDEX. I INC. COM COM COMMISSION	QV4-ST0234-181199-037-405 ST0234 Homo sepiens cDNA	Homo sepiens double stranded RNA activated protein kinase (PKR) gane, exons 29, 2, 3, and 4	ba72g05.y1 NIH_MGC_20 Homo saplens cDNA clone INAGE:2805976 5 similar to 1 K:094692 034692 KIAA0788 PROTEIN ;	ba72g05,y1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:2805976 6' similar to TR:094892 084892	KIAAD788 PROTEIN ;	Homo sapiens hypothetical protein 6.4620.23.2 (DJ4620.23.2), mixha	Homo saplens hypothetical protein dJ462023.2 (DJ462023.2), mKNA	Homo saplens KRAB zinc finger protein ZFQR mRNA, complete cds	Homo sapiens developmentally regulated GTP-binding protein 1 (LHKG1), mKNA	Zu81g01.s1 Scares_bestis_NHT Hamo sapiens aDNA dane IMAGE: (46342.3	Hamo septems arrantesante zi segnieni naziolivo
Top Hit Deterbase Source	NT	LN				Į.	K	EST_HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN		EST_HUMAN		EST_HUMAN	NT	EST H DAAN	Τ	Т	HUMAN	EST HUMAN	NT	EST HUMAN		EST HUMAN	¥	NT	NT	NT	EST HUMAN	N.
Top Hit Acession No.	8.0E-67 AL163201.2	7	7857020 NT	T857020 NT	6.0E-67 AF016898.1	-	4			4.0E-67 AI733032.1	4.0E-67 BF367321.1		4.0E-67 AA714294.1	3.0E-67 AA333768.1	3.0E-67 AW869159.1	2	2 OF 67 BE(D8068 1	A A A A A A A A A A A	3.UE-0/ AVSZ/0/4.1	2.0E-67 BE348354.1	5.1	2.0E-67 AF167460.1	2 DE-67 BE303037.1		2.0E-67 BE303037.1	11422946 NT	11422948 NT	2.0E-67 AP309581.1	4758795 NT	2.0E-67 AA625755.1	AL 163300.2
Most Similar (Top) Hit BLAST E Vatue	8.0E-67	6.0E-67/	8.0E-67	0.0E-67	8.0E-67	8.0E-67/	5.0E-67	5.0E-67	4.0E-67 R90819.1	4.05-67	4.0E-67		4.0E-67	3.0E-67	3.0E-67	3.0E-67	2000	3.00.01	3.UE-07	20E-67	2.0E-67	2.0E-67	2 0F-87		2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67		2.0E-67
Expression Signal	0.70	0.70	3.56	3.56	600	68.0	202	13.10	225	080	1 18		1.46	1.16	2.52	1.08	,	1.15	15.30	0.97	6.48	128	*	3	1.26	6.0	6.0	1.18	1.36	3.78	2.7
ORF SEQ ID NO:	30000	30070		L	L				27335					28820		L		CD845		28217	L		ccorc	1_	27823	28291					
SEO ID	17183	17183	1775	17754	18250	18250	16290	24279	14366	21324	3/60	3	24347	L	1	L	<u> </u>	- }	24528	13281	13902	14151	44028	201	14926	15265	1_	1_	L		17065
Probe SEQ ID NO:	4152	4153	1 2	47.74	CPCS	5242	3225	1330	1331	88.55		3	11403	2824	4723	4753		8522	11588	8	848	4107	Ş		1901	2251	2251	2394	2438	3481	4027

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ı				Г		П		П	Π										П		Г	Г	Γ	П		Т	7					П	٦
ingie exon probes expressed in bone maitow	Top Hit Descriptor	Novel human gene mapping to chomosome 13	601875351F1 NIH_MGC_66 Hamo saplens cDNA clane IMAGE:4091889 5	Homo sepiens mRNA for NADPH-cytochrome P-450 reductase, complete cds	Homo sapiens mRNA for NADPH-cytochrome P-450 reductase, complete cds	DKFZp761A229_r1 761 (synonym: hamy2) Homo sapiens cDNA clone DKFZp761A229 5	EST38850 Embryo, 9 week Homo septens cDNA 5' end similar to similar to carebellin	EST38850 Embryo, 9 week Homo septems cDNA 5' end similar to similar to cerebellin	RC4-BT0568-170100-011-c07 BT0568 Hamo septems cDNA	RC4-BT0568-170100-011-c07 BT0566 Homo saplens cDNA	AV731333 HTF Homo sapiens cDNA clone HTFARD03 5	UI-H-BIZ-ahn-e-10-0-UI.s1 NCI_CGAP_Sub4 Homo sapiens cDNA clone IMAGE:2727289 3'	an86b07.s1 Soares_NFL_T_GBC_S1 Hamo sapiens cDNA clane IMAGE:15635413'	602140470F1 NIH_MGC_46 Homo saplens cDNA clone IMAGE:4301705 5	601455282F1 NIH_MGC_88 Homo saplens cDNA clone IMAGE:3858975 5	Homo sapiens KIAA0985 protein (KIAA0985), mRNA	601175762F1 NIH_MGC_17 Homo sepiens cDNA clone IMAGE:3531038 5	PM2-TN0103-040900-001-c02 TN0103 Homo sepiens cDNA	Homo sapiens gamma glutamytrensferase 1 (GGT1), mRNA	Homo sapiens emyloid beta (A4) precursor protein (protesse neath-II, Alzheimer disease) (APP), mRNA	290b04.s1 Sogres, fetal liver spleen, 1NFLS, S1 Homo sepiens cDNA done INAGE-4480153'	HYPOTHETICAL PROTEIN KIAA0218	HYPOTHETICAL PROTEIN KIAA0218	601448558F1 NIH_MGC_66 Homo septens cDNA clone IMAGE:3852264 5	zq8Zh10.r1 Stratagene hNT neuron (#837233) Homo sapiens cDNA clone IMAGE:848163 5' shnitar to SW:SAV SULAC Q07590 SAV PROTEIN. ;	2482/110.11 Strategene hNT neuron (#837233) Homo sapiens dDNA clone IMAGE:048163 5' similar to	SW:SAV_SULAC Q07590 SAV PROTEIN.;	wb89e03.x1 NCI_CGAP_Pr28 Hamo sapiens cDNA clone IMAGE:2312860 3'	Homo sapiens brefeldin A-Inhibited guanine nucleotide exchange protein 2 (BKQ2), mRNA	601452067F1 NIH_MGC_68 Homo septens cDNA clone IMAGE:3855761 5	601894835F2 NIH_MGC_19 Hamo sepiens cDNA clane IMAGE:4124144 5	Hamo sepiens chromosome 21 unknown mRNA	Homo sapiens chromosome 21 unknown mRNA
-xon Probes	Top Hit Databese Source	NT	EST HUMAN	Į,	NT	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	<b>EST HUMAN</b>	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	<b>EST_HUMAN</b>	EST HUMAN	ĮŅ.	EST_HUMAN	EST_HUMAN	NT	Į.	EST_HUMAN	SWISSPROT	SWISSPROT	<b>EST_HUMAN</b>	EST HUMAN	e e	EST_HUMAN	EST_HUMAN	M	EST_HUMAN	EST_HUMAN	NT	Ę
elgniy	Top Hit Acession No.	AL049784.1	BF240758.1	2.0E-67 AB051783.1	2.0E-67 AB051783.1	2.0E-67 AL120542.1	2.0E-67 A4334609.1	2.0E-67 AA334609.1	2.0E-67 AW 602635.1	2.0E-67 AW 502835.1	2.0E-67 AV731333.1	2.0E-67 AW283624.1	2.0E-67 AA929089.1	2.0E-67 BF685788.1	2.0E-67 BF034485.1	11436448 NT	2.0E-67 BE295714.1	2.0E-67 BF377169.1	11417877	4502168 NT	I CO	293075	283076	8.0E-68 BE870732.1	8.0E-68 AA209456.1		8.0E-68 AA209456.1	7.0E-68 AI810506.1	11422086 NT	6.0E-68 BE612554.1	1	5.0E-68 AF231919.1	
	Most Similar (Top) Hit BLAST E Value	2.0E-67	2.0E-67	2.0€-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.0E-67	2.05-67	2.0E-67	2.0E-67	2.0E-67	1.0E-67	1.0E-67	1.0E-67 Q93075	1.0E-67 093075	8.0E-88	8.0E-68		8.0E-68	7.0E-68	6.0E-68	6.0E-68	89-30'9	5.0E-68	5.0E-68
	Expression Signal	0.77	4.91	219	2.19	0.77	0.83	0.83	1.11	1.11	1.05	1.01	0.44	1.47	1.58	2.51	1.83	1.63	1.73	1.82	1,32	0.44	0.44	2.37	4.25		4.25	0.57	2.48	2.18	1.62	0.68	0.68
	ORF SEQ ID NO:	32500	32550	32746	32747	33137	35295	36298	35737	35738	36261	36463	37418	37724	37858	-	38060	37461	31741	26278	26705	37001	37002	128221	29831		28832	34819	37240	-	31686	26810	26811
	SEQ ID	19284	18320	19494	19494	19852	21870	21870	22313	22313	22809	22894	23904	24202	24327	28011	24502	23939	25434	13350	13771	23500	23509	15201	16923		16923	21407	28737	25436	25594	15815	15815
	SEQ ID	6180	6247	8428	· 6428	67788	8904	8904	8848	8348	9826	10067	10984	11240	11380	11396	11582	11784	12808	282	802	10587	10587	2188	388		3883	8438	10816	12811	13058	88	803

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Exan SEQ ID NO: 13878 15788 15788 15788 15788 15728 15535 15635 15535 15
Probe SEQ ID SE SEQ ID SE SEQ ID SE SEQ ID SE SEQ ID SE SEQ ID SE SEQ ID SE SEQ ID SE SEQ ID

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	Top Hit Detabase Source	EST_HUMAN	SWISSPROT	4606222 NT	.1 EST HUMAN	1 NT	1 INT	1 EST HUMAN	I EST_HUMAN	I EST HUMAN	7662349 NT Homo sapiens cell recognition molecula Caspr2 (KIAA0868), mKNA	11436716 NT Home septens sentin/SUMO-specific protesse (SENP1), mRNA	11418869[NT Homo sapiens phosphodiesterase 78 (PDE7B), mRNA	11418869 NT Hano sapiens phosphodiesterase 7B (PDE7B), mRNA	¥	F	TN	11418431 NT Hamo sapiens CGI-78 protein (LOC61632), mRNA		4505222 NT Homo sapiens meningioma (disrupted in balanced translocation) 1 (MN1), mtNA							4757867 NT Homo septens v-raf murine sercome viral oncogene homolog B1 (BRAF) mRNA	504010 NT	H NT	1 EST HUMAN	IN	66912 NT	qeec2h01 x1 Soares fetal lung NbHL16W Home sepiens cDNA clone IMAGE:1743601 3' shriter to gazzas. EST HUMAN gbt.L11568 609 RIBOSOMAL PROTEIN L18 (HUMAN);	
					.1	1	1	1.1			7662349 NT	11436716 NT	11418869 NT	11418869 NT				11418431 NT	11418431 NT	4505222 NT	11430460 NT	11418213 NT	5031978 NT	5031976 NT	5031980 NT	5031980 NT	4757867 NT	4504010 NT		.1	J237744.1 NT	8966912 NT		
-	Most Similar (Top) Hit BLAST E Value	2.0E-68 BF336745.1	2.0E-68 Q05859	1.0E-68	1.0E-68 A	1.0E-68 AB011149.	1.0E-68 AB011149.	1.0E-68 AW451832	1.0E-88 BE296032.	1.0E-68 AA897343.	1.0E-88	1.0E-88	1.0E-68	1.0E-68	1.0E-68 L.76416.1	1.0E-68 U50319.1	1.0E-88 U50319.1	1.0E-68	1.0E-68	1.0E-68	1.0E-68	1.0E-88	9.0E-69	9.0E-89	9.0E-69	9.0E-69	9.0E-69	9.05-30	9.0E-69 AF057177.	9.0E-69 AU117241.	8.0E-69 AJ237744.1	7.0E-69	8.0E-89.A/192764.1	1
	Expression Signal	0.61	79.0	0.75	17.65	1.27	1.27	1.04	1.01	0.69	1.6	0.56	1.48	1.48	3.37	213	2.13	1.73	1.73	2.19	2.07	1.61	5.15	5.15	0.76	0.76	0.97	1.02	0.83	5.51	1.77	5.65		
	ORF SEQ ID NO:	33916	35696		28318	28301		28781	20975	30857	31376	34270			L	38131	38132	38448	38450	28120			26040		L			30085	31120			32802		1
	Etan SEQ IO NO:	20558	<u>.</u>	13186	13390	16277	15277	15759	17075	18078	18488	20880	L	24153	24203	24668	24588	L	l_	13196	1_	25563	L	1_	L	L	L	17206	18249	24189	1_	18552	1	- }
	Probe SEQ ID NO:	7585	Б <u>8</u>	8	288	2283	2288	2767	4037	9909	5385	288	41.88	11198	11250	11831	11631	11976	11976	12790	13005	13057	22	Z	1029	1028	4155	4175	5241	11236	3307	8487	8,05	2010

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Table 4
Single Exon Probes Expressed in Bone Marrow

ORF SEQ Expression (Top) Hit Top Hit Acession (Top) Hit Top Hit Acession (Top) Hit Top Hit Descriptor (Top) Hit Top Hit Descriptor (Top) Hit Descriptor Signal BLASTE No. Source	34575 15.42 8.0E-69 A192764.1 EST_HUMAN gb:L11566 60S RIBOSOMAL PROTEIN L18 (HUMAN);	I EST_HUMAN	EST_HUMAN	4.0E-69 BE561063.1 EST_HUMAN	6 4.0E-69 A1784073.1 EST HUMAN	2.77 4.0E-69 4557732 NT	2.77 4.0E-69 4557732 NT	4.0E-69 AU119634.1 EST_HUMAN	3.2 3.0E-89 BE258012.1 EST_HUMAN	2.56 3.0E-69 AF221712.1 NT	0.93 3.0E-69 5729910 NT	0.93 3.0E-69 196234.1 EST_HUMAN ye48h04.r1 Scares fetal liver spieen 1NFLS Home sapiens cDNA clone IMAGE:121015 6	0.63 3.0E-69 T98234.1 EST_HUMAN 1948th04.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:121016 5	38813 1.79 3.0E-69 11418185 NT Homo septens econitase 2, mitochondrial (ACO2), mRNA	81983 0.54 3.0E-69]U14178.1 INT [Human type ii IL-1 receptor gene, exon 1B	A.1277557.1 NT	26786 NT		1.52 3.0E-69 U52351.1 NT	34128 8.4 3.0E-69]AF268075.1 (NT (Homo septens TRAF9-binding protein T68P mRNA, complete ods	1 EST_HUMAN	AA378399.1 EST_HUMAN	23248 NT	36164 1.64 3.0E-69 X13223.1 NT H.sapiers mRNA for N-acet/fightcosamide-(beta 1-4)-galactosylitransferase	3		U./1 SUE-08 O/SUMSOIN!	3.0E-69 11432120 NT	3.0E-69/AA3/0099.1 EST HUMAN	
<del></del>			-		8223				28432							0	31257	33918	33977	34128		_	35722	36164	7002	30307			1	
Exam ORF SEQ ID ID !	21165		13592								16394	17639	17639	18330	18806	20195	18370	20558		20752		22086				-	23113		24146	
Probe SEQ ID S NO:	8195	8325	<b>123</b>	5855	5043	67.83	6783	9978	88	614	2388	4618	9923	5314	5712	22	2038	7697	7651	2800	8715	9120	8328	9768	į	5000	10188	108	11180	

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Most Similar   Top Hit Acession   Top Hit   Descriptor	1 NT	1.06 2.0E-69 AF160262.1 NT	Z Z	4.76 2.0E-69 AF160252.1 NT	1.46 2.0E-69 BE257857.1 EST HUMAN	3.8 2.0E-89 AA431157.1 EST_HUMAN	0.97 2.0E-69 AA114270.1 EST_HUMAN	2.69 1.0E-69 AF053768.1 NT	0.73 1.0E-69 BE406094.1 EST_HUMAN	0.78 1.0E-69 BE902501.1 EST_HUMAN	0.78 1.0E-69 BE902501.1 EST HUMAN	4.09 1.0E-69/AW383869.1 (EST_HUMAN	1.4 1.0E-69 7662263 NT	1.4 1.0E-69 7682263 NT	2.78 · 1.0E-69 AB032973.1 NT	2.78 1.0E-69[AB032973.1 INT	0.62 1.0E-69 BE531007.1 EST_HUMAN	0.62 1.0E-69 BE531007.1 EST_HUMAN	4.31 1.0E-69 BE246070.1 EST_HUMAN	TCBAP1E2878 Pediatric pre-B cell acute lymphobiastic leukemia Baylor-HGSC project=1 CBA Homo saprens	1.48 1.0F-69 AB014607.1 INT	0.53 1.0E-69 BF528429.1 EST HUMAN	2.78 1.0E-89 4504918 NT	1.89 1.0E-69 BF125887.1 EST_HUMAN		6.78 1.0E-69 AIBURABA.1 EST TOMAN	1.61 8.0E-70/AA230303.1 EST_HUMAN	2.11 8.0E-70/L77568.1 NT	2.26 7.0E-70 A1497807.1	2.26 7.0E-70 AI497807.1 EST HUMAN	1.87 7.0E-70 AA282955.1 EST HUMAN	2.97 7.0E-70 5031668 NT Homo septiens turner suppressor detected the carbot-relation ( LOCK-IN) IIINNEN.
																																2.97
ORF SEQ.	13477 28411	13477 28412	13477 28411	13477 26412	14926 27924	15018	21868 36289	14744 27728		18243 32474		19812 33092	20215 33544	20215 33545	20137 33453	20137 33454	20087 33396	20087 33397	23456 36952	0000	29553	1		25088 38167				17429 30314	14857 Z7854		14971 27969	15095
Probe Exan SEQ ID SEQ ID NO:	128	128 134	404	L	1902 149	L	8900 218	L				1	ı	L	L	L	L	7065 200	10634	L	10004	L	1	L	<u> L</u>		2339 156	_	1830 148	Ш	Ш	2078 150

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Single Exon Probes Expressed in Bone Marrow

Expression (Top) Hit Top Hit Acession Database Signal BLAST E No. Source	SWR 22 7 DE-70 4757723 NT Homo septems adenylate cyclese 3 (ADCY3) mRNA	5.36 7.0E-70 AB032369.1 NT	5.38 7.05-70 AB032389.1 NT	2 2 2 7 AE 70 A POPOSS 4 NT	0.74 7.05-70 11417306 NT	2.42 7.05.70 AB037754 NT	7 0E-70 AB037715.1 INT	4.26 7.0E-70 M74099.1 NT	4.26 7.0E-70 M74089.1 (NT	2.79 7.0E-70 X59841.1 NT	2.79 7.0E-70 X59841.1 NT	3,51 7,0E-70,AF163715.1 NT	2.05 7.0E-70 11525984 NT	2.05 7.0E-70 41525984 NT	7 7 657 654 NT	0.6 7.0E-70 AB036429.1 NT	0.6	2.36	2.36 7.0E-70 11528319 NT	13.53 7.0E-70 Z00040.1 NT	34.82	2.38 6.0E-70 4502168 NT	1.7 8.0E-70 M30838.1 NT	1.17 8.0E-70 8923899 NT	1.76 5.0E-70 7882307 NT	1.76 5.0E-70 7682307 NT	2.62 5.0E-70 BE106034.1 EST HUMAN	1.24 4.0E-70 T06037.1 EST_HUMAN	0.78 4.0E-70 AW783228.1	1 EST HUMAN
ORF SEQ ID NO:											L				<u> </u>					1						L		1	П	
be Exam ID SEQ ID	42E2 472B4	1	2000		7110 20044	1	0774 21/41		2012 2012 2012 2012 2013 2013 2013 2013	_ _	9512 22475	1_	1	L	1	10014	L		<u> </u>	_	13071 25605	1		L	1_	2559 15897	1	1_	Ш	Ш
Probe SEQ (D							0		1		٦		) a	۱	<u></u>	2 \$	<u> </u>		-	-	<u> </u>						12			

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Top Hit Descriptor	RC0-BT0522-071299-011-e12 BT0622 Homo sepiens oDNA	RC0-BT0522-071289-011-412 BT0522 Homo septens cDNA	Homo sapiens plakophilin 4 (PKP4), mRNA	Homo septems plakophilin 4 (PKP4), mRNA	wh90dt3.x1 NCL_CGAP_CL1 Hamp septems cDNA dane IMAGE:2388005 3"	602141561F1 NIH_MGC_46 Hamo sepiens aDNA dane IMAGE:4302806 5	602141561F1 NIH_MGC_48 Hamo sepiens aDNA dane IMAGE:4302808 5"	hz81h02x1 NCI_CGAP_Lu24 Homo septens cDNA clone IMAGE:32144193'	Homo sapiens phosphatidylinositol 4-kinase 230 (pl4K230) mRNA, complete cds	yy07a10.r1 Soares melanocyte 2NbHM Homo saptens cDNA clone IMACE:270522 6' similer to SW D3HI_RAT P29288 3-HYDROXYISOBUTYRATE DEHYDROGENASE PRECURSOR;	yy07g10.11 Soares melanocyte ZNbHM Homo saplens cDNA clone IMAGE:270522 5' similar to SW:D3HI_RAT P29266 3-HYDROXYISOBUTYRATE DEHYDROGENASE PRECURSOR;	qo51h01.x1 NCI_CGAP_Pan1 Homo sepiens cDNA clone IMAGE:2004613 3'	Homo sapiens hypothetical protein FLJ20758 (FLJ20768), mRNA	Homo sapiens KIAA0193 gene product (KIAA0183), mRNA	Homo sapiens KIAA0183 gene product (KIAA0183), mRNA	245h05.r1 Strategene HeLa cell s3 937216 Homo septens cDNA clone IMAGE:612441 5' strnifer to TR:G1041283 G1041283 D2085.5;	2945h05.r1 Strategene HeLa cell s3 937216 Homo sepiens cDNA clone IMAGE:612441 6' similar to	Hydrocaniana chrymosyma 21 sagment HS21(20)2	#18-04 A Screen mine NOWARIR Home services cities cities (NAGE-380214 6' similar to SW-GAG HTL-18	PRISAS GAG POLYPROTEIN;	yp58b04.r1 Scares fetal liver splean 1NFLS Homo sapiens cONA clone IMAGE:191599 5	Novel human gene mapping to chamasame X	Human normuscle myosin heavy chain-B (MYH10) mRNA, partial cds	Homo sepiens ADP/ATP cernier protein (ANT-2) gene, complete cds	Homo sapiens ADP/ATP certier protein (ANT-2) gene, complete cds	H.septens gene for schwarmornin (CS8)	H. sapiens gene for schwannomin (CS8)	Homo septens NALP1 mRNA, complete cds	Human mRNA for NF1 protein isoform (naurofibromin isoform), complete cds	Homo saplens cytoplasmic dynein intermediate chain 1 mRNA, complete cds
Top Hit Detraberse Source	EST_HUMAN F	T_HUMAN			EST_HUMAN	EST_HUMAN (	EST_HUMAN 6	EST_HUMAN	H L	EST_HUMAN S	EST HUMAN	П				HUMAN		TO LICENSE		EST_HUMAN	EST_HUMAN	Ę	F.	Į.	NT.	LN.	M	N.		IN I
Top Hit Acression No.	3.0E-70 BE071798.1	3.0E-70 BE071798.1	11430988 NT	11430988 NT	3.0E-70 AI831975.1		3.0E-70 BF685233.1	3.0E-70 BE502973.1	20E-70 AF0128721			_	23869	7661983	7661983 NT	2.0E-70 AA180093.1			ZUC-TUMLIOSALZ	20E-70 AA054010.1		7,7							2.0E-70 D12625.1	
Most Similer (Top) Hit BLAST E Value	3.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	3.0E-70	20E-70	2.0E-70 N42161.1	2.0E-70 N42161.1	2.0E-70/	2.0E-70	20E-70	20E-70	20E-70		20E-70	707-307	20E-70	2.0E-70 H37988.1	2.0E-70	2.0E-70 M89181.1	2.0E-70 L78810.1	2.0E-70 L78810.1	2.0E-70 X7.2662.1	2.0E-70 X72682.1	2.05-70	2.0E-70	2.0E-70
Expression Signal	- -	1.56	9.0	0.63	1.1	1.27	127	0.55	2.14	14.23	14.28	1.39	1.23	1.73	2.5	89.1	!	3 1	1.6	5.47	1.06	0.88	5.63	98.0	0.96	9.14	9.14	1.1	3.84	11.3
ORF SEQ ID NO:	27598	27599	31970	31971			32827	36883	26063	26880		28704	L					1	7///2		29800	29774								33167
Electric SEC ID	14625	14625	18796	18796	19138	18573	ì		13160	13753	13753	13768	14069	14228	14228	14696	1	-[	14/80	15330	1		1	1	[	Ι.				Ш
Probe SEC ID	1588	1503	526	5704	8055	6098	6059	10467	\$	8	8	2	28	128	1188	1664		<u>\$</u>	1/0/	23.28	88	3833	67.04	4224	<b>\$</b>	5553	6693	8239	6790	6824

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Single Exon Probes Expressed in Bone Marrow.

· Top Hit Descriptor	Homo sapiens cytoplasmic dynein intermediate chain 1 mRNA, complete cds	Homo sepiens stalyfuransferase 6 (N-acetyllacosaminide alpha 2,3-stalyfuransferase) (SIAT6), mRNA	Homo sepiens cysteinyl-tRNA synthetase mRNA, complete cds, atternatively spitoed	Human guanina nucleotide binding protein alpha-subunit gene (G-e-alpha), exons 4 and 5	Homo sepiens amylo-1,6-glucosidese, 4-alpha-glucanotransferase (glycogen debranching enzyme, glycogen storage disease type III) (AGL), mRNA	yp79g02.r1 Sceres fetal liver spicen 1NFLS Homo sepiens cDNA clone IMAGE::183682 6	Homo sepiens dynactin p62 subunit (LOC51164), mRNA	Homo sapiens calclum-binding transporter mRNA, partial cds	Homo sapiens mRNA for KIAA1216 protein, partial ods	Homo septens hypothetical protein HJZ0450 (FL)Z0450), mixNA	Homo sepiens hypothetical protein FLJ20450 (FLJ20450), mRNA	Homo sepiens eukaryotic translation initiation factor 3, subunit 6 (48kD) (EIF3SB) mitNA	Homo saplens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens transglutaminase 3 (E polypeptida, protein-glutamine-gamma-glutamythansterasa) (TGM3)	HINNAN	Process Team In Section Control of The Control of T	2254003.11 Segres testis NHT Hamo sephens CLYNA Clane IMAGE: 707444.0	AV738538 CB Hamo septems guna gate validadin 3	qe04f01.x1 Soures_tests_NHT Hamo sapiens dDNA dane IMAGE:1738008 3' stmillar to TR:074045 014045 PHOSPHOTRANSFERASE;	qe04f01.x1 Soares_testis_NHT Homo sapiens cDNA clone INAGE:1738009 3' similar to TR:O14046 014045 PHOSPHOTRANSFERASE ;	W65205x1 NCI_CGAP_GC8 Homo esphens cDNA clone IMAGE-2309288 3' straiter to TR-P97213 P97213	COUZ COUT, ICOD, ICOD, ICOD, ICOD, ICOD, COUZ, COUS, AND COCA CENTER.	wedzobyń naj czał jew flamb seprem dyny dane mycz zweżo 3 siliwa w 115, 97,213 15,15,15,15,15,15,15,15,15,15,15,15,15,1	क्टोवी1.r1 Strategene neuroepithelium (#837231) Homo capiens cDNA clone IMAGE:610101 5' similar to TTD-64430es (24430e) STRAIN XA34 POL	CALANA A Source, NET T CRC St Home servings CONA clone MAGE 2814049 St Smiler to TR: 054730	054730 TRANSPLANTABILITY ASSOCIATED PROTEIN 1;	ZYGOTTOS. T Sostes Testes India Septem Curvi clare infrace. 1997 o
Top Hit Searce Source	Ę			TN.		<b>EST_HUMAN</b>											П	П	EST HUMAN	EST HUMAN	EST HUMAN		EST HUMAN	EST HUMAN	I	EST TOWNS		EST HUMAN
Top Hit Acessian Ko.	2.0E-70 AF123074.1	11422842 NT	2.0E-70 AF288207.1	2.0E-70 M21741.1	11423589 NT	2.0E-70 H47959.1	11528355 NT	2.0E-70 AF123303.1	2.0E-70 AB033042.1	8923420	8823420 NT	4503520	11430460 NT	11430460 NT		4507476 NI	1.0E-70 W85795.1	1.0E-70 AA442292.1	AV738538.1	8.0E-71 A1143870.1	9 0F-74 A(143870.1		9.0E-71 AI654903.1	9.0E-71 Al654903.1		8.0E-/1 AA1/1451.1	8.0E-71 AW 273820.1	AA442230.1
Most Similar (Top) Hit BLAST E Vaitue	2.0E-70	2.0E-70	2.0E-70	20E-70	2.05-70	2.0E-70	2.0E-70	2.0E-70	20E-70	2.0E-70	2.0E-70	2.0E-70	20E-70	20E-70		1.05-70	1.0E-70	1.0E-70	1.0E-70	9.06-71	9 0F-74		9.0E-71	9.0E-71	<u> </u>			
Expression Signal	11.3	1.44	0.58	5.38	0.45	0.76	0.85	1.42	0.49	3.11	3.11	11.5	2.64	2.64		3.08	0.78	0.64	8.8	7.1	7.1		1.98	3.67		3.62	0.45	8.17
ORF SEQ ID NO:	33168	31223	33956	34620	٠.		35935		L	L		Ŀ	Ŀ	L					37757	<u>L</u>			33587	223.87	_		37398	33923
Exan SEQ ID NO:	19878	18421	20593	2228	21532	21973	22487	23419	23883		<u> </u>	1	L	L		16453	_	23083	L	<u>l</u>		22.61	20253	1	١.	22389		20562
Probe SEQ ID NO:	6824	7190	2882	8251	8564	2006	8524	10497	10083	11408	11408	11958	12837	12837		<b>28</b>	8638	49458	4.284	BAEA		5	7231	44862		9425	10967	7601

. Table 4 Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	291a06.s1 Scares_fetal_liver_spheen_1NFLS_S1 Homo septems cDNA clame IMAGE:462228 3*	Homo sepiens chromosome 21 segment HS21C010	Homo sapiens SP100-HMG nuclear autoantigan (SP100) mRNA, complete cds	QV4-ST0234-181199-037-005 ST0234 Homo septiens cDNA	Homo sapiens cyclin-dependent kinase 8 (CDK6) mRNA	Homo sepiens keratin, hair, acidis, 7 (KRTHA7), mRNA	Homo sapiens KIAA0623 gene product (KIAA0623), mPNA	Homo septems mRNA for KIAA1280 protein, partial cds	Homo sepiens mRNA for KIAA1280 protein, partial cds	Homo saptena protein kinase C, beta 1 (PRKCB1), mRNA	Human neurofibromatosis protein type 1 mRNA, 3' end of cds	Homo septens MAGUIK protein p551; Protein Associated with Lins 2 (LOC51678), mRNA	Hamo septems transcription factor WSTF mRNA, complete cds	Homo sapiens nuclear factor related to kappa B binding protein (NFRKB) mRNA	Homo sapiens nuclear factor related to kappa B binding protein (NITKB) mRNA	Human PreA4 gene for Abheimer's disease A4 amyddd protein precursor (exon 2)	Homo sapiens pro-platelet basic protein (includes platelet basic protein, beta-thrombogicbulin, connective tissus-activating peptide III, neutrophil-activating peptide-2) (PPBP), mRNA	Homo sepiens similar to hypothetical protein FLI20163 (H. sepiens) (LOC83325), mRNA	Homo sapiens calcineurin binding protein 1 (KJAA0330), mRNA	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10) mRNA	Equue cebellus giyoeraldehyde-3-phosphate dehydrogenase mRNA, partial cds	Equus caballus giyocraidehyde-3-phosphate dehydrogenase mRVA, partial ods	Hamo sapiens plasminagen (PLG) mRNA	Homo sepiens SP100-HMG nuclear autoantigen (SP100) mRNA, complete cds	Homo saplems putetiive heme-binding protein (SOUL), mRNA	AU135734 PLACE1 Hamo septens cDNA dane PLACE1002775 5	n46h10.s1 NC_CGAP_Pr4 Homo septens cDNA ctone INACE-1043683 similar to contains PTR5.t3 PTR5	repolitive element;	Homo sepiens chromosome 21 segment HS21C006	Human mRNA for KIAA0272 gene, partial cds	Human mRNA for KIAA0272 gene, pertial cds	DKFZp434D17Z1_r1 434 (synonym: hies3) Homo squiens dDNA done DKFZp434D17Z1 5
Top Hit - Deltabese Source	EST HUMAN	NT	NT	EST_HUMAN	4	त	4	NT	NT	47	NT	7	NT	ίΤ	7	NT		Ę	7	41	NT	NT	<u>ال</u>	M	7	EST HUMAN		EST_HUMAN	¥	N	<b>5</b>	EST_HUMAN
Top Hit Acession No.	7.0E-71 AA705457.1	7.0E-71 AL163210.2	5.0E-71 AF056322.1	5.0E-71 AW816405.1	4502740 NT	11641408 NT	7662209/NT	5.0E-71 AB033106.1	5.0E-71 AB033106.1	11431580 NT	5.0E-71 M38106.1	11526446 NT	5.0E-71 AF072810.1	5453777 NT	5453777 NT	5.0E-71 X13467.1	11438514 NT	11438069 NT	11417862 NT	4607692 NT	4.0E-71 AF157628.1	4.0E-71 AF157828.1	05880	4.0E-71 AF058322.1	57602	3.0E-71 AU135734.1			12		2.0E-71 D87462.1	
Most Similar (Top) Hit BLAST E Vekue	7.0E-71	7.05-71	5.0E-71	5.0E-71	6.0E-71	5.0E-71	5.0E-71	5.0E-71	5.0E-71	5.0E-71	6.0E-71	5.0E-71	5.0E-71	5.0E-71	5.0E-71	5.0E-71	6.0E-74	6.0E-71	5.0E-71	4.0E-71	4.0E-71	4.0E-71	4.0E-71	4.0E-71	4.0E-71	3.0E-71		3.0E-71	2.0E-71	2.0E-71	20E-71	2.0E-71
Expression	1.61	1.76	8.79	1.1	202	1.15	0.72	1800	0.64	0.69	1.62	18.0	22.85	19.0	0.61	2.45	7.5	201	1.81	1.04	56.4	56.4	1.9	4.75	6.04	1.34		2.84	99'9	8.35	8.35	0.57
ORF SEQ ID NO:	35412	38168	28258	30008	32284	33162			_	1	ł	l	l		35257		377903	L	38624	28145	28383			30372				37538	27231			31236
SEQ ID	21892	24594	16234	17177			L	<u> </u>	18398	L.,	20706	1_	20945	1_	L		24775	24468	26043	13220	13439	13430	15956	17485	18036	21337		24014	14271	18496		
Probe SEO ID NO:	9058	11658	2220	4145	598	6819	7385	7167	7107	7353	7788	7874	2008	8888	8888	10271	11326	11525	12/98	ই	350	350	2897	4459	2203	888		11051	<u>+</u>	5353	5383	7160

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İ							
Probe SEQ ID NO:	SEQ ID	ORF SEQ ID NO:	Expression Signal	Most Struitar (Top) Hit BLAST E Veltue	Top Hit Acessian No.	Top Hit Database . Source	Top Hit Descriptor
88.59	22324	35762	0.5		2.0E-71 BF195585.1	EST_HUMAN	7n85c11x1 NCI_CGAP_Ov18 Homo sepiens cDNA clone IMAGE:35712z1 3' similar to TR:Q8Z185 Q9Z165 PUTATIVE FOUR REPEAT ION CHANNEL.;
10950	23870	37382				Ę	Homo sapiens short chain L-3-hydroxyacyl-CoA dehydrogenase precursor (HADHSC) gene, nuclear gane encoding mitochondrial protein, complete cds
10950	23870	37383	4.10			¥	Homo sapiens short chain L-3-hychoxyacyl-CoA dehydrogenase precursor (HADHSC) gene, nuclear gene encoding mitochandrial protein, complete cds
11063	24016				2.0E-71 BE018477.1	EST_HUMAN	bb81e08.y1 NIH_MGC_10 Hamo septens cDNA dane IMAGE:3048754 5' similer to SW:R23B_HUMAN P54727 UV EXCISION REPAIR PROTEIN PROTEIN RAD23 HOMOLOG B;
11907	24788				2.0E-71 R55828.1	EST_HUMAN	y77c11.r1 Soares breast 2NbHBst Hamo septens cDNA clane IMAGE:154772 5
12315	25121		7.13		2.0E-71 T95489.1	EST_HUMAN	ye43e09.r1 Scares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:120520 5
983	13705	26826	1.88		1.0E-71 Al077927.1	EST_HUMAN	oy 15c03.s1 Scares_screecent_fibroblasts_NbHSF Homo expiens cDNA clone INAGE:1865916.3' similar to contains LOR1.b2 LOR1 repetitive element ;
8	13993	26945	1.68		7706281 NT	Ϋ́	Homo sepiens neuronal cell death-related protein (LOC51616), mRNA
1102	14146		6.21		1.0E-71 AF205890.1	NT	Homo sapiens disabled-2 gene, excris 2 firough 15 and complete cds
1343	14378		98'6			NT	Homo sapiens phosphatidylinosital 4-kinase 230 (pi4K230) mRNA, complete cds
2002	16111	28131	1.20			NT	Homo sepiens PMS2L16 mRNA, pertial cds
2092	15111	28132			1.0E-71 AB017007.1	NT	Homo sepiens PMS2L16 mRNA, partial cds
2703	15699	28714	4.81	1.0E-71	57153	NT	Homo sepiens hairyenhancer of split related with YRPW motif-like (HEYL), mRNA
3810	16655	29672	5.11	,		M	Homo septens SNARE protein kinase SNAK mRNA, complete cds
3610	16855	29573	5.11		1.0E-71 AF246219.1	M	Homo septems SNARE protein kinase SNAK mRNA, complete cds
3882	16705	29619	1.18	<u> </u>	1.0E-71 BE122850.1	EST_HUMAN	02_15 Human Epidermal Karathnocyte Subtraction Library- Upregulated Transcripts Homo septens cDNA clone 02_15 5' shrilar to Homo septens chromosome 19
	-						02_15 Human Epidermal Keratinocyte Subbaction Library- Upregulated Transcripts Homo saplens cDNA
3882	16705			1	1.0E-71 BE122850.1	EST HOMAN	GONG UZ. 10 0 SITHER ID FIGURE SEPARTS CHICKENINS 19 Lower contacts enthantin pressure (ATDM) news away 10
3/04	19/90	1			Arz10804.1		TICHING ORGANICA SALASAMI (VITER) DONAN ORGANICA SALASAMI (VIT
44g7	17522				1.05-71 (1284/6.1	Z	Tulier in the to turnory gain, unique as
4622	17643	30531	0.68		1.0E-71 H23178.1	EST HUMAN	ym56h10.r1 Soares infant brain 1NIB Homo saplens cDNA cone IMAGE: 52528 5
9068	19968	33266	1.38	1.05-71	11426182 NT	Ę	Homo septens GCN5 (general control of antino-acid synthesis, yeast, homolog)-life 2 (GCN5L2), mRWA
72827	20284	,			1.0E-71 AB011131.1	TN	Homo sapiens mRNA for KIAA0559 protein, partial cds
7533	20496	33857	12.67		1.0E-71 U80753.1	TN	Homo sepiens CACL79 mRNA, partial cds
8486		34871	0.76		1.0E-71 AF105287.1	NT	Homo septiens gtypicen-6 (GPC6) mRNA, complete cds
8509	21477	34890	2.14	1.0E-71	11425430 NT	N	Homo sepiens myomesin (M-protein) 2 (1651D) (MYOM2), mRNA
8789	21756	35177	4.49	1.0E-71		Z	Homo sepiens hypothetical protein FLJ10938 (FLJ10998), mRNA

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Single Exon Probes Expressed in Bone Marrow

Most Smilar Top Hit Acession (Top) Hit Top Hit Acession Signal BLASTE No. Source	8922811 NT	0.83 1.0E-71 S72393.1 (NT·	9.49 1.0E-71 AY007643.1 INT	3.08 1.0E-71 AV781217.1 EST_HUMAN	3142 NT	1.0E-71 AV761217.1 EST_HUMAN	1.0E-71 11418903 NT	37973 2.27 1.0E-71 11417191 NT Homo septems teucy/loyeting eminopeptidase (LNPEP), mRNA	37874 2.27 1.0E-71 11417191 NT [Homo sepiens leucy/Joyetin/J siminopepiidase (LNPEP), mRNA	3.13 1.0E-71 AB011398.1 NT Hamo septens gene for AF-8, complete ods	w465g03 xf NCI_CGAP_LL10 Homo septens cDNA clone IMAGE:2423188 3' similar to TR:O86705 O86705	EST_HUMAN	0.89 8.0E-72 BF036762.1 EST_HUMAN	2.55 8.0E-72 11424480 NT	2.55 8.0E-72 11424480 NT	37829 2.56 8.0E-72 11424480 NT Homo septems nuclear RNA helicase, DECD wartent of DEAD box family (DDXL), mRNA	30058 1.24 7.0E-72 4501868 NT Hamo sepiens accritiage 2, mitochondrial (ACO2), nuclear gene encoding mitocondrial protein, mRNA	30057 1.24 7.0E-72 4601868 NT Homo septens acontlase 2, mitochondrial (ACO2), nuclear gene encoding mitocondrial protein, mRNA	30058 1.24 7.0E-72 4501888 NT Homo sapiens accritiase 2, mitochondrial (ACO2), nuclear gene encoding mitocondrial protein, mRNA	2.87 7.0E-72 S41694.1 NT	1.52 7.0E-72 F28259.1 EST_HUMAN	6.0E-72 AL163246.2 NT	28102 4.86 6.0E-72 BF333707.1 EST_HUMAN QY0-CS0010-150800-398-e11 CS0010 Homo septens cDNA	4.86 6.0E-72 BF333707.1 EST_HUMAN	13.05 5.0E-72 BF333707.1 EST_HUMAN	T_HUMAN	2.75 5.0E-72 L11645.1 NT	33427 1.65 5.0E-72 AU128584.1 EST_HUMAN AU128584 NTZMP2 Homo septems CUNA come NTZMP ZUUS/01 3
ORF SEQ Equ																												
Be Econ	8789 21756		10367 23290	L	1_			11481 24424	11481 24424	12681 25349	407 19480	407 13480	6232 18306		L.	11444 24387	4139 17170	4139 17170	4139 17170		L		L		<u>.</u>	13184	Ш	7138 20114
Probe SEQ ID NO:	β	6	ģ	٤	Ę	F	£	Ė	1,	12	L.		T.	Ė	ŧ	ţ	4	4			12	<b></b>						

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	EST188312 HCC cell line (matastasis to liver in mouse) il Homo sapiens culva b'end similar to similar to FAC1	au80c03.y1 Schneider fetal brain 00004 Homo septens cDNA clone IMAGE:2782564 6' shriiar to TR:089785 089785 HYPOTHETICAL 32.4 KD PROTEIN ;contains element MSR1 repetitive element;	AV724632 HTB Homo septens cDNA crore HTBANBUT 5	MR4-BT0598-070500-005-005-005-005-005-005-005-005-	MR4-810598-010500-005-005-005-005-005-005-005-005-	QV1-BIUGSZ-ZBUBUN-SAZ-BIU BIUGSZ mulid sajada is CATON	Homo sapiens nypomences protein to 103/1525.2 (Ed 103/1525.2), in the sapiens nypomente ods	CITIO SEDIENTS ZITIO INTIGE PROBEIT CITITION OF COMMISSION	y838.01.17 Soares fetal liver speem TNHLS Homb septens CLINA CATIB INMACE. I 131 V.C. 5 SUITER SPEAMES. SP-A44282 A44282 RETROVIRUS-RELATED POL POLYPROTEIN - HUMAN ;	Homo sapiens hect domain and RLD 2 (HERC2), mRNA	Homo sapiens hypothetical protein PLJ20758 (FLJ20758), mRNA	RC3-LT0023-200100-012-d11 LT0023 Homo septens cDNA	RC3-LT0023-200100-012-d11 LT0023 Hamo septens cDNA	q+67-02.x1 Soares febal Iver_spleen_INFLS_S1 Homo sepiens aDNA clone INAGE: 1849730 3' smiller to	TR:Q14498 Q14498 SPLICING FACTOR. [1] ; contains Alu repetitive element, contains etainant. Li repetuive	CHEMINAL AND CORP. Linux company Linux release MARGE-814121 3' similar to SW CPTR FLAPR	PAGNIST CHLOROPLAST TRIOSE PHOSPHATE TRANSLOCATOR PRECUESTIONS  PAGNIST CHLOROPLAST TRIOSE PHOSPHATE TRANSLOCATOR PRECUESTIONS  PAGNIST CHLOROPLAST TRIOSE PHOSPHATE TRANSLOCATOR PRECUESTION STATEMENT OF THE PROPERTY OF THE	SEZSIGO.61 NG_CGAP_GCB1 Hamo septens cuna cione invage: 014121 3 stimul tu chi con con con con con con con con con con	yL28a03.11 Soares fetal liver spleen 1NRLS Horno septems cDNA clone IMAGE:235084 5	yd29d09.s1 Scares fetal liver spieen 1NFLS Homo sepiens cDNA clone IMAGE:109649 3	Homo sapiens WEE1 gane for protein kinase and partial ZNF143 gane for zino finger transcription factor	Homo sapiens pre-B-cell colony-enhancing factor (PBEF) mRNA	are3a06.s1 Sceres testis NHT Homo explans cDNA clone 1310290 3'		בותוואו בינתומותו אתושים שתמחליליםן התחמים ו ב בליים ביים ביים ביים ביים ביים ביים ב	Human chondroitin sulfate proteoglycan versioen V0 aplice-variant precursor peptide mRNA, complete ods
Top Hit Detabase Source	EST_HUMAN F		П	HUMAN	HOMAN	HUMAN		L.	EST HUMAN			T HUMAN	Г			EST_HUMAN	EST_HUMAN	FST HUMAN	Τ	П	LV.	Z	EST HUMAN		Z	Į.
Top Hit Acession No.	6.0E-72 AA316632.1	6.0E-72 AW161274.1			5.0E-72 BF331571.1		8 4 8	4.0E-72 AF170025.1		5729867	B923689 NT		4.0E-72 AW836230.1			4.0E-72 AI248796.1	4.0E-72 AA465388.1	4 05 70 8 8 4 85 388 4	4.0E-72 H79421.1	4.0E-72 T81910.1	4 nE.70 A 1977548 2	5031978 NT	3.0E-72 AA773873.1		3.0E-72 U16306.1	3.0E-72 U16306.1
Most Similer (Top) Hit BLAST E Veitue	5.0E-72	6.0E-72	5.0E-72	5.0E-72	5.0E-72	5.0E-72	4.0E-72	4.0E-72	4 0F-72 T87947.1	4.0E-72	4.0E-72	4 OF-72	4.05-72			4.0E-72	4.0E-72	4 05 70	4 0E-72					L		
Expression Signal	0.65	4.14	0.58	2.74	2.74	2.52	1.12	0.75	. 6	128	124	0 40	040			124	1.54	79.7						3	5.57	5.57
ORF SEQ ID NO:	34500	35523						31577	ŀ							37208	38115	· 		38464					27152	27.163
SEO ID NO:	219	22095	23244	24511	24511	26929	17877	18637	302.07	30500	22080	L	8/057	2		23707		<u>L</u> _	$\perp$	24885			1	2808	14201	14201
Probe SEQ ID NO:	8163	84.89	10320	11573	11573	12389	4880	55.45 54.55	1	an/o	10143	212	10/38	3		10786	11616		11616	11007		12/2	7	8	4159	1159

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ngie Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	Human gamma-aminobutyric acid transaminase mRNA, partial cds	Human gamma-aminobutyric acid transaminase mRNA, partial cds	TCAAP1E1252 Pediatric scute myelogenous leukemia cell (FAB M1) Baykor-HGSC project=TCAA Homo sapiens cDNA clone TCAAP1252	Homo sapiens 959 to config between AML1 and CBR1 on chromosome 21q22, segment 3/3	Homo sapiens hypothetical protein FLJ20585 (FLJ20585), mRNA	TCR V delta 2-C alpha =T-cell receptor delta end C alpha fusion gene {attarnatively spliced, splice junction} [humen, precursor B-cell line REH, mRNA Partial, 211 πξ]	Homo sepiens hypothetical protein (FLJ1127), mRNA	Homo sapiens protein methyltransferase (JBP1) mRNA, complete cds	Homo sepiens protein methyltransferase (JBP1) mRNA, complete cds	EST371747 MAGE resequences, MAGF Homo septems cDNA	Homo sepiens semaphorin W (SEMAW) mRNA	Hamo sepiens growth factor receptor-bound protein 10 (GRB10) gene, exan 5	Homo sepiens growth factor receptor-bound protein 10 (GRB10) gene, exon 5	Homo sepiens mRNA for KIAA1081 protein, partial cds	Homo sapiens mRNA for KIAA1081 protein, partial cds	Homo sapiens ribosomal protein L3-like (RPL3L) mRNA	Homo sapiens basic transcription factor 2 p44 (bt/2p44) gene, partial cds, neuronal apoptosis inhibitory protein (nato) and sunvival motor neuron protein (smn) genes, complete cds	Homo saplens nuclear receptor subfamily 1, group H, member 3 (NR1H3), mRNA	Homo sepiens S100A12 gene for Calgranulin C, exon 2 and joined cds	Homo sapiens CD37 antigen (CD37), mRNA	Homo sapiens CD37 entigen (CD37), mRNA	Homo septens ADP-ribosylation factor binding protein GGA3 (GGA3) mRNA, complete cds	Homo sepiens solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2 (SLC13A2), mRNA	601890419F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:4131461 5	601890419F1 NIH_MGC_17 Home septens cDNA clone IMAGE:4131461 5	ej28b09.s1 Soares_testis_NHT Homo sepiens cDNA clone 1391609 3' similar to gb.X02067 H.sepiens mRNA for 7SL RNA pseudogene (HUMAN);	Raftus norvegicus putative phosphate/phosphoendpyruvate translocator mRNA, complete cds	Homo sapiens vacuclar protein scriing 41 (yeast homolog) (VPS41), mRNA	Homo sapiens myosin, heavy polypeptide 13, skeletal muscle (MYH13), mKNA
xon Probes E	Top Hit Detabase Source	¥	¥	EST_HUMAN	T				LN TN	INT TN	EST_HUMAN		NT TN		LN.	- LN		1					NT TN		T HUMAN	EST_HUMAN	EST HUMAN	L		
Single	Top Hit Acession No.			<u>.</u>	Γ	8923548 NT		11416196 NT	3.0E-72 AF167672.1	3.0E-72 AF167572.1		3.0E-72 4759093 NT			3.0E-72 AB029004.1	3.0E-72 AB029004.1	4826987 NT		5031892		11424091 NT	11424091 NT	3.0E-72 AF190864.1	11428671 NT	20E-72 BF308560.1	20E-72 BF308560.1	2.0E-72 AA789277.1	2.0E-72 AF182714.1	TN97876 NT	11321578 NT
•	Most Similar (Top) Hit BLAST E Vatue	3.0E-72 U80226.1	3.0E-72 U80226.1	3.0E-72	3.0E-72	3.0E-72	3.0E-72 S77589.1	3.0E-72	3.0E-72	3.0E-72	3.0E-72	3.0E-72	3.0E-72	3.0E-72	3.0E-72	3.0E-72	3.0E-72	2 OE - TO 1 180047 4	3.0E-72	3.0E-72	3.0E-72 11	3.0E-72	3.0E-72	205-72	20E-72	20E-72	20E-72	20E-72	1.0E-72	1.0E-72
	Expression Signal	0.71	0.71	1.45	13.29	2.41	2.52	3.77	1.31	1.31	1.02	1.06	1.91	1.91	4.78	4.78	3.89	1 07	1.07	7.09	3.23	3.23	3.56	1.53	0.62	0.62	2.4	6.47	3.76	1.24
	ORF SEQ ID NO:	27193	27194	27528	28062	29265	28778	30492	30710	30711	31037	-	32386	32387	32600	32801	33103	9776	3,4808	37220	38383	38384	38546	32362			_	١.		33046
	SEQ ID	14238	l	i	16148	16345	L	Ĺ	17817	17817	18158	l	19171	1917	18362	L	L	1		L	1	1		ı		22415	l _			19767
	Probe SEQ ID NO:	1188	1198	5	3090	3282	3836	4576	4800	4800	5149	<b>2598</b>	6092	6092	888	9	6787	ŝ	851B	10707	11912	11912	12078	89	9451	9451	11002	12726	5861	6711

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Table 4
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	Top Hit Descriptor	AV729428 HTC Hamo septens cDNA clane HTCAAF071 6	H.septens SH3GLP2 pseudogene, 5' end	Homo sapiens chromosome 21 segment HS210048	RC3-NN0068-270400-01104 NN0068 Homo sepiens cDNA	Homo septems BASS1 (BASS1) mRNA, pertial cds	RC3-NN0068-270400-011-c04 NN0066 Homo sepiens cDNA	Human beta globin region on chromosome 11	Homo saptens caspase 8, apoptosis-related cysteine protease (CASP8) mRNA	Homo sapiens Parkinson disease (autosomal recessive, juvernie) 2, parkin (PARK2), transcript variant 3, 	Lines sections Darkmon Recens (entherme) respective inventie) 2 partici (PARK2) transcript variant 3.	HTITO SEPTIONS FRANCE (SECTION CONTROLL CONTROLL OF CONTROLL PORTING) AT PARTY (1 PRINCE), CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROLL CONTROL CO	Mus muscutus rhohao-interacting citron kinase (Crity) mRNA, complete cds	Mus muscutus rhorrac-interacting ctron kinase (Crity) mRNA, complete cds	Homo sapiens mRNA for KIAA1591 proteth, partial cds	Homo sapiens interfeuldin 4 receptor (IL4R), mRNA	Homo septens Interfeutin 4 receptor (IL4R), mRNA	Human peripheral myelin protein 22 mRNA, complete cds	Homo sapiens mRNA for KIAA1329 protein, partial cds	Gallus gallus Decht2 protein (Decht2) mRNA, complete cds	Gallus galus Dach2 protein (Dach2) mRNA, complete cds	Homo sapiens glutathione synthetase (GSS) mRNA	Homo sapiens supervillin (SVIL), transcript variant 1, mRNA	Homo saptens supervillin (SVII.), transcript variant 1, mRNA	Homo sapiens KIA41080 protein; Golgi-essociated, gamma-edaptin ear contath <b>ing,</b> ARF- <b>binding pr</b> otein 2 (KIA41080), mRNA	Homo sapiens galactosylceramidase (Krabbe disease) (GALC), mRNA	Homo sapiens galaciosylceramidase (Krabbe disease) (GALC), mRNA	Homo sapiens mRNA for KIAA1059 protein, pertial cds	RC3-NN0068-270400-011-c04 NN0068 Hamo sepiens cDNA	AU121585 MAMMA1 Homo septems cDNA clone MAMMA1000490 5	CMI-HT0282-111189-042-h10 HT0282 Homo sepiens cDNA	og61b07.r1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:1839637 6' straffer to contains element. MER22 repetitive element ;
	Top Hit Detebese Source	EST HUMAN	N	¥	EST HUMAN	F	EST_HUMAN	N.	LX	ţ	2		NT	N	TN	NT.	TN	NT	IN	NT	NT	NT	TN.	NT	¥	Z	뉟	Į.	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
	Top Hit Acessian No.	3.0E-73 AV729428.1		2	4	_	-		4502582 NT	00000	IN ACCORDA	7669639 NT	2.0E-73 AF086824.1	ļ	_	11431471 NT	11431471 NT		1.1	.1	2.0E-73 AF198349.1	4504168 NT	11496980 NT	11496980 NT	11431598 NT	4557812 NT	4667812 NT	2.0E-73 AB028982.1	2.0E-73 AW898081.1	1.0E-73 AU121585.1	1.0E-73 BE151283.1	1.0E-73 A147427.1
	Most Similar (Top) Hit BLAST E Value	3.0E-73	3.0E-73 X99690.1	3.0E-73	3.05-73/	2.0E-73 AF139897.	20E-73	20E-73 U01317.1	2.0E-73	100	Z0E-73	20E-73	2.0E-73	20E-73/	2.0E-73	2.0E-73	2.0E-73	2.0E-73 M94048.1	2.0E-73	2:0E-73	2.0E-73	2.0E-73	2.0E-73	2.0E-73	2.05-73	2.0E-73	2.0E-73	20E-73	2.0E-73	1.0E-73	1.0E-73	1.0E-73
	Expression	0.54	1.85	1.35	1.97	18	285	1.58	3.89		0.77	77.0	0.7	0.7	6.38	1.52	1.52	0.59	0.77	0.55	0.65	1.12	1.69	1.60	97	284	264	181	1.81	281	12	1.47
	ORF SEQ ID NO:	35504				26888			28170		78927	20528	32802	32903						L.	36300									27814		
	SEQ ID	22077	2AM1	25.667	26560	13908		L	1_		16607	16507	19637	19637	1	I	I _			22843	<u> </u>				<u> </u>				L	1_		$\mathbf{L}$
	Probe SEO ID NO:	ğ	1187	1847	1302	852	1983	2308	3186		388	8	129	6577	1239	8888	8888	8082	808	0686	888	10788	10863	10863	44407	44305	41305	11420	12684	1798	6495	9857

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	Top Hit Descriptor	601276071F1 NIH_MGC_20 Hamo sapiens cDNA dane IMAGE:3817105 5	Homo sepiens CD39-like 4 (CD39LA) mRNA	Ce2+/calmodulin-dependent protein kinase IV Idnase isoform (rats, brain, mRNA, 3429 nt)	Ce2+icalmodulin-dependent protein kinase IV kinase isoform (rats, brain, mKNA, 3429 m)	Homo sapiens NKGZD gene, excm 10	Homo sepiens chromosome 21 segment HS21C046	60164928471 NIH_MGC_73 Homo saplens cDNA clone IMAGE:3832897 5	601191927F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3535856 5	Homo sapiens S164 gene, partia cds, PS1 and hypometical protein garies, complete cds, and S171 gene, partial cds	xn78g07.x1 Soares_NFL_T_GBC_S1 Homo septens dDNA done IMAGE:2700636 3'	601283521F1 NIH_MGC_44 Homo septens cDNA clone IMAGE:3805453 5	601283621F1 NIH_MGC_44 Hamo sapiens cDNA clane IMAGE:3605453 5	UI-H-BIO-eath-h-03-0-UI.s1 NCI_CGAP_Sub1 Homo sapiens cONA cione IMACE-27/09386 3	UI-H-Bitg-eath-h-03-0-UI.s1 NCT_CGAP_Sub1 Homo sapiens CDNA cione IMAGE:2709365 3	hr64e11.x1 NCI_CGAP_Ktd11 Homo sapiens cDNA clone IMAGE:3132332 3	hr54e11.x1 NCI_CGAP_Kd11 Hamo sapiens aDNA clane IMAGE:31323323	Homo sapiens DEAD/H (Asp-Git-Ala-Asp/His) box polypeptide 11 (S.cerewislae CHL1-like helicase) (DDX11) mRNA	Homo sapiens DEAD/H (Asp-Gtu-Ala-Asp/His) box potypeptide 11 (S.cerewistas CHL1-like heticase) (DDX11) mRNA	Homo septens actin filament associated protein (AFAP), mRNA	df17c09.y1 Morton Fetal Oochlee Homo sapiens cDNA clane IMAGE:2483704 57	PMO-CT0289-271099-001-h07 CT0289 Hamo sepiens cDNA	Homo sepiens phosphatidylinositol giycan, class L (PIGL), mRNA	H. sapiens mRNA for TPCR16 protein	Homo sepiens VAMP (vesicle-essociated membrane protein)-essociated protein A (33kD) (VAFA) mYNA, and translated products	Monthly (In II) and a monthly (II AD) and A	NOTICE SEQUENTS INTERFERENTS IN	Homo septens menelului 4 receptor (L.44), manus	Homo sapiens KIAA0716 gene product (KIAA0716), mrtva	Homo septens Kladu / 16 gene product (NiAdu / 16), mrana	Homo sapiens hypothetical protein HL/13222 (FLJ/13222), mrknA	ח: Sapitans וווויעיא וען חווי־ן
	Top Hit Database Source	EST_HUMAN 6		NT		NT.	IN .		EST_HUMAN	NT TN	EST_HUMAN	EST_HUMAN (		EST_HUMAN I			EST_HUMAN				T_HUMAN	EST_HUMAN		N								Ez.
- Pigillo	Top Hit Acessian No.	1.0E-73 BE385477.1	4557426 NT			1	2	.1	7.0E-74 BE266305.1	6.0E-74 AF109907.1	1	1	1	1.1	6.0E-74 AW014039.1	G.0E-74 BE048846.1	1	4758135 NT	4758135 NT	11056013 NT	5.0E-74 AW020986.1		11425417 NT	<b>339670.1</b>	TIM SOOK ASA	000/00k	11431471 NI	11431471 NT	7862263 NT	7662263 NT	11345483 NT	5.0E-74 Y09420.1
	Most Similar (Top) Hit BLAST E Vatue	1.0E-73 B	8.0E-74	8.0E-74 S83194.1	8.0E-74 S83194.1	7.0E-74 AJ001689.	7.0E-74 AL163248.	7.0E-74	7.0E-74	6.0E-74	8.0E-74	6.0E-74	6.0E-74	8.0E-74	6.0E-74/	6.0E-74	8.0E-74	6.0E-74	8.0E-74	6.0E-74	5.0E-74	6.0E-74	6.0E-74	5.0E-74 X89670.1	16 06 0	0.0E-74	5.0E-74	5.0E-74	5.0E-74	5.0E-74	5.0E-74	5.0E-74
	Expression Signal	21	1.47	1.84	1.84	4.43	201	225	4.84	5.19	1.03	7.92	7.82	1.12	1.12	1.28	1.28	4.18	4.18	3.08	2.09	3.68	1.78	12.05		3	2.71	2.71	2.18	0.54	3.05	4:06
ŀ	ORF SEQ ID NO:	37455	26742	32306	32307	27989	28311	36051	31734	27120	27639	28357	28358	28852	28853	29679	29680	30955			28917		31482				32286			33412		37570
	SEQ ID	23934	13803	19704	19104	14987	16390	22602	26417	14168	14684	15335	15335	15834			1	18075	1		13961	1.		L	1		19098	19096	20101	20101	L.	24048
	Probe SEO ID NO:	11779	742	202	<b>1</b> 208	1986	888	8898	12784	1124	<u>8</u>	2324	2324	2875	2875	3726	3728	5065	FOR	243	908	27/13	5481	5887		8888	6013	6013	7080	7882	8371	11087

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Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	H.sapiens mRNA for HIP-1	Homo sepiens DNA for emyloid precureor protein, complete cds	Homo saplens mRNA for KIAA1019 protein, partial ods	Homo sepiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes, complete cds)	Homo sepiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	complete cds)	Homo septens protessome (prosome, mearopein) subunit, beta type, 1 (PSMB1) mRNA	Homo septems protessome (prosome, mearopein) subunit, beta type, 1 (PSMB1) mPNA	Homo saplens mRNA for KIAA1168 protein, pertial cds	Homo sapiens PLP gene	Homo saplens PLP gene	Homo saplens chromosome 21 segment HS21C047	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	Homo saplens mRNA for transmebrane receptor protein	Homo sapiens mRNA for KIAA1476 protein, partial cds	EST13131 Thymus tumor III Homo eapiens cDNA 5' end similar to similar to ribosomal protein L37			Homo sapiens giyoarabbhyde-3-phosphata dehydrogenasa (GAPD), mRNA	Home sapiens giyeanaidehyde-3-phosphate dehydrogenase (GAPD), mRNA	Human endogenous retrovirus HERV-K-T47D		Г	hamalog) (EGFR) mRNA	Home saplens epidemal growth factor receptor (avian erythrobiastic leukemia viral (v-erb-b) oncogene	Т	П	Novel human gene mapping to chomosome ZZ	Novel human gene mapping to chamcsome ZZ	Т	RC6-HT0678-220500-011-C03 HT0678 Hamo septens cUNA
Top 工作	Database Source	NT	١	¥	Ę		¥	NT	NT	NT	NT	LN.	TN	TN	NT	TN	EST_HUMAN	EST_HUMAN	EST HUMAN	NT.	N	N.	EST_HUMAN		ᅜ	ţ	- Ii	EST_HUMAN	보	뉟	보	EST_HUMAN
	Top Hit Acessian Na.	5.0E-74 Y09420.1	4.0E-74 D87675.1	4.0E-74 AB028942.1	4 NE-74 AB026898 1		4.0E-74 AB026898.1	4506192 NT	4506192 NT	4.0E-74 AB032894.1	4.0E-74 AJ006978.1	4.0E-74 AJ006978.1	4.0E-74 AL163247.2	7662183 NT	4.0E-74 Z17227.1	4.0E-74 AB040909.1	3.0E-74 AA300378.1	3.0E-74 M78984.1	3.0E-74 AA601493.1	7669491 NT	7669491 NT	20E-74 AF020092.1	20E-74 Al950528.1		4885198 NT		4886198 NI	2.0E-74 AI557280.1	2.0E-74 AL355092.1	2.0E-74 AL355092.1	2.0E-74 J02963.1	2.0E-74 BE711134.1
Most Similar	(Top) Hitt BLAST E Value	5.0E-74	4.0E-74	4.0E-74	4 0F-74		4.0E-74	4.0E-74	4.0E-74	4.0E-74	4.0E-74	4.0E-74	4.0E-74	4.0E-74	4.0E-74	4.0E-74	3.0E-74	3.0E-74	3.0E-74	20E-74	20E-74	20E-74	20E-74		2.0E-74		2.0E-74	2.0E-74	2.0E-74	2.0E-74	2.0E-74	2.0E-74
	Expression Signal	4.06	1.85	5.8	2.24		221	2.38	2.38	1.51	18.0	6.46	1.23	2.08	0.99	0.74	21.61	2.57	2.69	58.94	58.94	6.0	1.32		3.54		3.54	3.02	3.67	3.67	0.83	2.03
	ORF SEQ ID NO:	37571		26867			28003			ŀ								36208	L						27606				30833	30834		32174
	SEQ ID NO:	24048	L		L		15000				L				L								<u> </u>		14631	ł		15608	18055		1	25847
1	SEQ ID	11087	278	853	6.0	<u>a/a</u>	1979	2086	8802	2142	2434	3107	409	4587	4846	6555	8895	17.18	10703	88	88	1178	1249		1599		1599	2609	5042	5042	5046	5896

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Top Hit Acession Delabase Top Hit Descriptor No. Source	11439587 NT	11439587 NT	11439587 NT	11439587 NT	BF030788.1 EST_HUMAN	I NT	AL163204.2 NT	5453965 NT	T_HUMAN	7334 NT	T_HUMAN	8922829 NT	X02344.1 NT	4508020 NT	1.0E-74 AL 163246.2 NT Homo septems chromosome 21 segment HS21C046	1 NT	758697 NT	4504116 NT	4504116 NT	AL163268.2 NT	1 EST_HUMAN		1.0E-74 BE407 09.1 EST_DOWNIN CETTON,	Į.	1417977 NT	RESABIOS 1 EST HUMAN	FST HUMAN	17	4 FOT HI MAN	100	Z	AJ251550.1 NT	IN-SACSARINI	1.0E-74 AB007841.1 NT Homo septens minute for the protein, parties out
 Top Hit Acession	11439587 N	11439587 N	11439587 N	11439587 N	-	1	2	5453965 N		7334		N 6282288		4508020 N	2	-		4504116 N	4504116 N	2	-			T	417077		Γ		],		-1	1	OBCOZ4	-
Most Similar (Top) Hit BLAST E Vatue	2.0E-74	20E-74	2.0E-74	2.0E-74	20E-74	2.0E-74	20E-74/	2.0E-74	2.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74	1.0E-74		1.0E-74	4 05 74	1 0E.74	1 0F-74	1 0E-74	4 05 74	1 05 74	1.05-74	1.0E-74	1.0E-74	1.0E-/4	1.0E-74
Expression Signal	8:	1.83	2.58	2.58	1.14	1.35	8.08	1.72	3.11	222	3.85	1.1	8.18	2,15	22	3.58	2.83	0.70	0.79	5.75	96'0		0.71	200	147	+	*	2 00 0	27.0		0.55	0.35	1.51	1.5
ORF SEQ ID NO:	32280	32281	32280	32281	33621	34652	36220	38528		26086			ŀ							L					34244			ı						38568
SEQ ID NO:	25650	25650	25650	25650	20281	21241	227655	24831	25252	13175	13428	13572	13578	13670	14052		L	L	L	1_	L	<u> </u>			DIASI	L		1	1	1				24971
Probe SEQ ID NO:	2000	88	7209	6077	7340	8272	9737	12068	12821	18	337	8	8	8	190	2235	3158	3943	3943	3992	4082		4296		200	000/	1000	3	/CLR	8 5	1000	10800	10847	12100

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Single Exon Probes Expressed in Bone Marrow

		Homo sepiens glutathione S-transferase theta 2 (GSTT2), mRNA	Homo septems glubethlone S-transferase theta 2 (GSTT2), mRNA	Homo capiens glutathione S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)	genes, complete ods	Homo sepiens DNA cytosine-5 methytransferase 38 (DNMT3B) mRNA, complete cds	Hamo septens chramosome 21 segment HS21C002			П							Т	П	╗			Homo saptens hypothetical protein FLJ10747 (FLJ10747), mrNA	Homo sapiens NiPSNAP, C. elegans, homolog 1 (NiPSNAP-1), midNA	Homo sapiens NIPSNAP, C. elegens, homotog 1 (NIPSNAP-1), mrkNA	Homo sepiens eukaryotto translation initiation factor 3, subunit 8 (11042) (EIF3S8), mYNA	Homo septens NIPSNAP, C. elegans, homotog 1 (NIPSNAP1), mrtNA	Homo sapiens NiPSNAP, C. elegens, homolog 1 (NiPSNAP1), mRNA	Homo sepiens myosin, heevy polypeptide 1, skeletal muscle, adult (MYH1), mRNA	Hamo sepiens HTRA serine protesse (PRSS11) gene, complete ods	Homo sepiens HTRA serine protesse (PRSS11) gene, complete cds	Homo sapiens mRNA for KIAA0581 protein, partial cds	Homo sapiens synaptosomal-essociated protein, 29kO (SNAP29) mRNA	Homo sapiens chromosome 21 segment HS21 C001
	Top Hit Detabase Source	¥	Ħ		¥	NT	INT	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ę	¥	¥	Į.	LN.	M	NT	NT	JN.	¥	ΙN	N.
	Top Hit Acession No.	11417856 NT	11417856 NT		1.0E-74 AF240788.1	1	8.0E-75 AL163202.2	6.0E-75 AJ817415.1	6.0E-75 BE841305.1	6.0E-75 AA573448.1	5.0E-75 AA573448.1	6.0E-75 BE272326.1	5.0E-75 AA132811.1	5.0E-75 BE561655.1	6.0E-75 BE561655.1	5.0E-75 BF690254.1	5.0E-75 AK38623.1	4.0E-75 BE081333.1	4.0E-75 N36757.1	4.0E-75 AW897230.1	BE40946	TN 7882288	11417946 NT	11417846 NT	TN 7249753	11417946 NT	11417946 NT	TN 2038307	3.0E-75 AF157623.1	.1	3.0E-75 AB011153.1	4769153 NT	3.0E-75 AL163201.2
	Most Similar (Top) Hit BLAST E Vatue	1.0E-74	1.0E-74		1.0E-74	8.0E-75	8.0E-75	6.0E-75	6.0E-75	5.0E-75	5.0E-75	6.0E-75	5.0E-75	5.0E-75	6.0E-76	5.0E-75	5.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-75	4.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-76
·  -	Expression Signal	3.9	7.14		1.52	6.34	1.81	1.16	<u>В</u>	0.61	0.51	1.13	20.0	0.89	0.89	1.42	28	1.68	2.66	1.73	4.5	0.83	0.65	0.65	6.35	1.81	1.61	15.05	4.38	3,22	236	5.12	1.06
	ORF SEQ ID NO:	38616						28382	31084	2442	34412	35654	35874			36209	37007	28147		27786	28841	29482	31850	31960	32715	33270	33271	37534	70072	27007	27875	28454	29010
	Exan SEQ ID NO:	25012	28087		25458	15840	25288	16340	18210	21012	21012	22225	22436	22512	22612	22756	23516	13223	13532	14809	15821	16558	18703	18703	19468	18973	19973	24008	14055	14055	14879	15437	16092
	Probe SEQ ID NO:	12154	12236		12848	2852	12543	28.20	5201	8075	8075	8528	9472	8640	88	8228	10694	112	459	1780	7887	3512	2099	2009	6400	6023	8828	194	<u>\$</u>	5	1853	2430	3034

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Single Exon Probes Expressed in Bone Marrow

Single Exult Plodes Expressed in Dune Imanow	Top Hit Descriptor	Homo sapiens mRNA for KIAA0581 protein, partial cds	Human calcium-depandent phospholipid-binding protein (PLA2) mRNA, complete ods	Human calcium-dependent phospholipid-binding protain (PLA2) mRNA, complete cds	Human calcium-dependent phospholipid-binding protein (PLA2) mRNA, complete cds	Hamo sepiens DNA for emyloid precursar probein, complete cds	Homo sepiens KIAA0971 protein (KIAA0971), mRNA	Homo septens adeptor-related protein complex 1, sigma 2 subunit (AP1S2), mRNA	Homo sapiens adaptor-related protein complex 1, sigma 2 subunit (AP1S2), mRNA	Homo sapiens cytopiasmic dynein intermediate chain 1 mRNA, complete cds	Homo sepiens cytoplasmic dynein Intermediate chein 1 mRVA, complete cds	Homo septens HIR (htstone cell cycle regulation defective, S. cerevisiae) homolog A (HIRA), mRNA	Homo sapiens HIR (histone cell cycle regulation defective, S. cerevisiae) homolog A (HIRA), mRNA	Homo seplens KIAA0623 gene product (KIAA0623), mRNA	Homo sapiens KIAA0623 gene product (KIAA0623), mRNA	Homo sapiens Oncogene TIM (TIM) mRNA	Homo septens Oncogene TIM (TIM) mRNA	Homo septens snati 1 (drosophila homdog), zinc finger protein (SNAH), mRNA	Homo sapiens Drosophila Kelch like protein (DKELCHL), mRNA	Homo septens synuclein, alpha (non A4 component of amyloid precursor) (SNCA), mRNA	Homo sapiens brefeldin A-inhibited guanine nucleotide eachange protein 1 (BIG1), mRNA	Homo sapiens brefeidin A-Inhibited guantine ruckedide-exchange protein 1 (BIG1), mRNA	AV734680 cdA Homo septens cDNA clone cdABED02 5"	qog1e02.x1 NC]_CGAP_Kid5 Homo eaplens cDNA clone IMAGE:1915888 3' similar to TK:Q86388 Q85386 POL/ENV GENE :	xg60d02x1 NCI_CGAP_UM Homo sapiens cDNA clone IMAGE:2832707 3' similar to contains PTR7.t1	PTR7 repetitive element;	H.saplens ERCC2 gene, exans 1 & 2 (partial)	601157633F1 NIH_MGC_21 Hamo sepiens cDNA clane IMAGE:3504272 6	601437130F1 NIH_MGC_72 Homo saplens cDNA clone IMAGE:3922303 5	RC6-B10640-020300-031-H03 B10640 Homo septents curva	KCO-61 U090-U23300-U31-TU3 61 U090 Traile seprens GUIVA
XOII FIODES E	Top Hit Defebese Source	NT	I L		NT IN	NT					Ę		•										LHUMAN	EST HUMAN	Т	EST HUMAN		П	П	Т	EST_HUMAN
Single	Top Hit Acession No.	3.0E-75 AB011153.1					7662421 NT	11420956 NT	99602	3.0E-75 AF123074.1		11628319 NT	11528319 NT	7662200	7662209 NT	4885632 NT	4885632	11420804 NT	11420222 NT	11436430 NT	6715588 NT	6715588 NT	2.0E-75 AV734680.1	2 0F-75 AB11783 1		1.0E-75 AW168135.1					1.0E-75 BE082528.1
	Most Smiler (Top) Hit BLAST E Velue	3.0E-75 A	3.0E-75 M72393.1	3.0E-75 M72393.1	3.0E-75 M72393.1	3.0E-75 D87875.1	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75 A	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	3.0E-75	2.0E-75	2.0F-78.4		1.0E-75	1.0E-75 X52221.1	1.0E-75	1.0E-75	1.0E-75	1.0E-75
	Expression Signal	1.13	0.95	98.0	0.78	1.03	0.71	1.15	1.15	0.51	0.51	1.78	1.78	4.47	4.47	2.82	2.82	121	0.85	4.16	£.	1.73	1.41	83.0		7.79	3.35	0.85	0.7	0.76	0.78
	ORF SEQ ID NO:	28477	20334	29335	29706	30118	30379	31179	31180	32891	32892	33478	33480	33656	33857	34204	34205	35730	36431	37341	38552	.38553		35,405		28346	28943	30630	31107		34166
	SEQ ID NO:	16258	16411	1641	16794	17228	17492	18429	18420	19714	19714	20159	20159	20313	20313	20828	20828	22301	22964	23828	24957	24857	18850	22080		15323	16015				_1
	Probe SEQ ID NO:	3203	3384	3361	3752	4197	4468	2233	6323	1500	7999	6835	6835	7342	252	<b>38</b>	788	8838	10037	10908	12085	12085	2788	2	3	2311	7882	4718	5224	7843	7843

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. Top Hit Descriptor	ZETRO3.s1 Scares_testis_NHT Homo septens oDNA done INAGE:726485 3' similar to gb:M13832 40S RIBOSOMAL PROTEIN S17 (HUMAN);	601900294F1 NIH_MGC_19 Hamo septens cDNA clone IMAGE:4128678 5	601900294F1 NIH_MGC_19 Hamo sepiens aDNA clane IMAGE:4129678 51	ac77b08.s1 Strategene lung (#837210) Homo saplens cDNA clone IMAGE:868589 3'	Homo sepiens calcium channel alpha1E subunit (CACNA1E) gene, exons 7–49, and pertial cds, alternativaly spiece	601437130F1 NIH_MGC_72 Hamo septiens aDNA clane IMAGE:3922303 6	w630b10.xf NCI_CGAP_GC8 Hamo sepiens cDNA clane IMAGE:2307163 3' similar to TR:075235 075235 TRAP1;	w530b10 x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2307163 3' similar to TR:075235 075235 TRAP1 :	285507.s1 Scares fetal liver spicen 1NFLS. S1 Homo sepiens cDNA clone IMAGE: 4475413'	Human ferritin Heavy subunit mRNA, complete cds	Homo sapiens H factor 1 (complement) (HF1) mRNA	Homo sapiens H factor 1 (complement) (HF1) mRNA	Homo sepiens mediator (Sur2), mRNA	Homo sapiens LIM domain idnase 1 (LIMK1), mRNA	Homo saplens sertnerftrecentre kinase 2 (STK2), mRNA	Homo septens mitochondrial carrier family protein (LOC55972), mRNA	Homo sapiens AIM-1 protein (LOC51151), mRNA	Hamo sepiens mRNA for KIAA1544 protein, partial ods:	Human adenceine deaminase (ADA) gena, complete cds	Homo sapiens baculovinal IAP repeat-containing 6 (BIRC9), mRNA	Homo saptens calcineurin binding protein 1 (KIAA0330), mRNA	Homo sepiens dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-axo- glutarate complex, branched chain keto acid dehydrogenase complex) (DLD) mRNA	Homo seniere cAMP-concilio phosphodiesterese 8A (PDE8A) mRNA partial cds	Homo serviens Americane entiren 75 (LY75) mRNA. end translated products	and continue continues and where (7.8 dibacketischen NADD miller (SDR) mRNA	Homo sapiens septement requires (1,0-uniyaroxopieni.rn/br - wada culcaso) (57 h) iin vy	Home sapiens sapiaptierin reduciase (7,8-diftydroddoterin:NAL)** oxfordeduciase) (5-17) minnin	601312019F1 NIH MGC 44 Homo sapiens CLIVA clone IMACE:3008/0/ 0	601142253F1 NIH_MGC_14 Homo saplens cDNA clone IMAGE:3506029 5
Top Hit Detabase Source	EST_HUMAN R	EST_HUMAN 6	EST_HUMAN @	EST_HUMAN a	H IN	EST_HUMAN 6	EST_HUMAN T	EST HUMAN T	Т									H	H									П	EST HUMAN B
Top Hit Acression No.	1.0E-75 AA388270.1	1.0E-75 BF313646.1	1.0E-75 BF313646.1	1	1.0E-75 AF223391.1		9.0E-76 Al652648.1		Ĺ		4504374 NT	4604374 NT	7706724 NT	11421442 NT	11436215 NT	11419212 NT	11416981 NT	8.0E-76 AB046764.1	8.0E-76 M13792.1	10442821 NT	11417882 NT	5016092 NT	7 of 78 Acassan 4	האקקק הקינות בי	707EOJ	4507184 NT	248		6.0E-76 BE273201.1
Most Similar (Top) Hit BLAST E Vatue	1.0E-75	1.0E-75	1.0E-75	1.0E-75	1.0E-75	1.0E-75	9.0E-78	90E-78	9.0E-76	9.0E-76	8.0E-76	8.0E-76	8.0E-76	8.0E-76	8.0E-78	8.0E-76	8.0E-76	8.0E-76	8.0E-78	8.0E-76	8.0E-78	7.05-78	20 30 7	7.05-78	2/10:/	7.0E-76	7.0E-78	6.0E-76	6.0E-76
Expression Signal	12.42	4.03	4.03	3.79	2.13	1.72	223	200	0.98	37.43	86.0	0.98	1.28	4.70	1.41	76.0	0.64	0.45	1.41	4.09	229	1.41	1000	60.03	200	4.52	4.52	12.96	2.36
ORF SEQ ID NO:		36179	36180		37810	31107	28070	26074		36670	2884	26942	28904	32606	34049	34141	35030	35855	37161	37518		CHLHC		11787		30311	30312		37469
SEQ ID	21724	22724	22724	24182	24372	18232	13166	13468	15432	23188	13990	13990	15979	18367	20686	20765	21607	22417	23666	23001	25408	13838		2000	3	17427	17,427	14274	23948
SEQ ID	8767	82/6	83/6	11220	11428	12438	- 84	ą	2425	10281	788	88	288	9823	185	7816	8838	848	10744	11028	12767	1		33	3	4399	4339	1238	11783

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Table 4
Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	Human mRNA for HMG-1, complete cds	Human mRNA for HMG-1, complete cds	Humen mRNA for HMG-1, complete ods	QV3-BN0047-270700-283-g06 BN0047 Homo saplens cDNA	601471725F1 NIH_MGC_67 Hamo septens cDNA clane IMAGE:3874470 5	HUM178G01B Human fetal brain (TFujiwara) Homo sapiens cDNA clone GEN-178G01 5	HUM178G01B Human fetal brain (TFujiwana) Homo sapiens cDNA clone GEN-178G01 6	UI-H-BW1-enz-b-04-0-UI.s1 NCI_CGAP_Sub7 Homo sapiens cDNA clone IMAGE:3083862 3	UI-H-BW1-4riz-b-04-0-UI,s1 NCI_CCAP_Sub7 Homo sapiens cDNA cione IMAGE:3083862 3	Homo saplens cukaryotic translation elongation factor 1 beta 2 (EEF162) mirryA	Homo sapiens eukaryotic translation elongation factor 1 beta 2 (EEF182) mRNA	RC5-ST0300-180100-033-A03 ST0300 Homo saplens cDNA	RC5-ST0300-180100-033-A03 ST0300 Homo sepiens oDNA	H67F12.X1 NCI_CGAP_LL24 Homo saplens CDNA clone IMAGE:3151823 3° similar to TR:094886 094886	KIAA0782 PROTEIN.;	AV702981 ADB Hamo sepiens aDNA done ADBBSC02 5	HSCZQD042 normalizad infant brain cDNA Homo sapiens cDNA clone c-zqd04 3'	2073:07.11 Strategene pancreas (#6372:08) Homo sepiens cDNA clone IMAGE:6925:24 5' similer to gb.132976 MIXED LINEAGE KINASE 1 (HUMAN);	wv75c05.x1 Soares_thymus_NHFTh Homo septens cDNA clone IMAGE:2636368 3'	Homo sapiens angiostatin binding protein 1 mRNA, complete cds	y/20g10.r1 Soares melanccyte 2NbHM Homo sapiens cDNA clone INAGE-271842 5	xs49h01.x1 NCI_CGAP_Kid11 Hamo septems cDNA clame IMAGE-2773009 3'	zv54d11.r1 Soares_testis_NHT Homo saplens cDNA clone IMAGE:757461 5	zv64411.r1 Soares_bestis_NHT Homo saplens cDNA clone IMAGE:757461 5	EST380059 MAGE resequences, MAGJ Homo septions cDNA	EST368525 WAGE resequences, WAGD Homo saplens cDNA	Human mRNA for possible protein TPRDII, complete cds	Human mRNA for possible protein TPRDII, complete ods	Human mRNA for possible protein TPRDII, complete ods	Homo saplens Immunoglobulin (CD79A) binding protein 1 (IGBP1) mRNA	Homo saplens glucagon (GCG) mRNA	Homo saplens cAMP responsive element binding protein 1 (CREB1) mRNA	Homo sapiens GM2 ganglioside activator protein (GMZA) miranA
	Top Hit Database Source	TN	Ę	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	M	NT	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	K	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	N	Į,	NT	FN	N	¥
	Top Hit Acession No.				4.0E-78 BE814098.1	4.0E-76 BE783412.1	381625.1		3.0E-76 BF516262.1	3.0E-76 BF516262.1	4503478 NT	4503478 NT	3.0E-76 BF375689.1	3.0E-76 BF375889.1		3.0E-76 BE348693.1	3.0E-76 AV702981.1	241314.1	3.0E-76 AA180811.1	3.0E-76 AW027705.1	3.0E-76 AF286598.1	3.0E-76 N42671.1	3.0E-76 AW 298353.1	3.0E-76 AA442309.1	3.0E-76 AA442309.1	3.0E-76 AW967984.1	3.0E-76 AW958455.1	2.0E-76 D84295.1	2.0E-76 D84295.1	2.0E-76 D84295.1	4557862 NT	4503944 NT	4758053 NT	4504028 NT
	Most Shullar (Top) Hit BLAST E Vetue	6.0E-76 D63874.1	5.0E-76 D63874.1	5.0E-76 D63874.1	4.0E-78	4.0E-76	4.0E-76 D81625.1	4.0E-76 D81625.1	3.0E-76	3.0E-78	3.0E-78	3.0E-76	3.0E-78	3.0E-78		3.0E-78	3.0E-76	3.0E-76 Z41314.1	3.0E-76	3.0E-78	3.0E-76	3.0E-76	3.0E-76	3.0E-78	3.0E-76	3.0E-78	3.0E-78	2.0E-78	2.0E-76	2.0E-78	2.0E-78	2.0E-78	2.0E-76	2.0E-78
	Expression Signal	8.97	8.97	8.97	1.01	1.08	6.69	6.69	192.	1.94	92.6	98.6	5.03	5.03		14.72	99.0	212	+	0.71	8,03	58.0	3.32	1.08	1.08	243	4.4	1.46	2.6	2.6	1.14	1.12	1.37	1.74
-	ORF SEQ ID NO:	27983				31200	36783		26614	28615	27611					30034								36499		31510	31301					26573		
	Esca SEQ (D NO:	14982	14982	14982	16275			23306	13695	13695	14635	L		L		17139			L	L			Ĺ	1_				L		L	_		L	Ш
	Probe SEQ ID NO:	88	98	288	3220	23.63	16384	16384	88	083	<u>1</u>	188	3442	3442		4105	<u>88</u>	2002	6822	8	8504	8490	10074	1000	10088	12143	12248	183	342	342	104	592	1032	1537

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor		Homo septens GM2 ganglioside activator protein (GM2A) mRNA	zs60h11.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:701825 3'	OLFACTORY RECEPTOR-LIKE PROTEIN F5	zw64602.s1 Soares_testis_NHT Homo sepiens cDNA clone INAGE:780986 3' similer to SW:1TB5_HUMAN P18084 INTEGRIN BETA-5 SUBUNIT PRECURSOR.;	zw64602.s1 Soares_bestis_NHT Homo septens dDNA done IMAGE:780886 3' stmiler to SW:1TB5_HUMAN P18084 INTEGRIN BETA-5 SUBUNIT PRECURSOR.;	Homo sapiens chromosome 21 segment HS210083	QV3-OT0028-220300-132-b11 OT0028 Homo sapiens dDNA	Gorilla gorilla olfactory receptor (GGO18) gene, pertial cds	Homo sapiens mRNA for KIAA1081 protein, partial eds	Homo septens KIAA0783 gene product (KIAA0783), mRNA	Homo sapiens A khasse (PRKA) anchor protein 10 (AKAP10), mRNA	Homo sepiens TPCR88 protein (HSTPCR88P), mRNA	Homo saplens similar to ribosomal protein S28 (H. sapiens) (LOC83150), mRNA	Homo sapiens HIRA interacting protein 4 (dna-Liike) (HIRIP4), mRNA	Human mRNA for HMG-1, complete cds	Human mRNA for HMG-1, complete cds	601589886F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3944302 5	EST37301 Embryo, 8 week I Homo sapiens cDNA 6' and	601512435F1 NIH_MGC_71 Hamo septens cDNA clane IMAGE:3913737 5	6013022333F1 NIH_MGC_21 Hamo sapiens cDNA clane IMAGE:3836753 6	yp11h02.r1 Soares breest 3NbHBst Homo sapiens cDNA clone IMAGE:187166 6' similar to SP-ANKB_HUMAN Q01484 ANKYRIN, BRAIN VARIANT 1;	601868928F1 NIH_MGC_17 Homo sepiens cDNA clone IMAGE:4108503 57	Homo sepiens professome (prosome, macropain) 26S subunit, non-ATPase, 7 (Mov.34 homolog) (PSMD7)	mRNA	ze62e02.r1 Soares retina N2b4HR Hamo septems cDNA clane IMAGE:363578 5"	ze62s02.r1 Sogres retina N2b4HR Homo sapiens cDNA clone IMAGE:363578 5	yeS9f04.s1 Sogres fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:123007 3' similar to contains. NEED40 conceptions clonnessy.	MENTO Reporting the state of the House and the Alexa MACE 748302 9	TB1(g)1.81 CORRES IBSUS INTT FIGURE SEPARATION FOR THE PARTY CONTROL PARTY CONTROL FOR THE PARTY CONTROL FOR T	Homo sapiens polymerase (RNA) II (LNA directed) polypeptide E (ZNU) (POLITZE) mitting	Hamo septens polymerese (rank) II (LANA directed) polypeptede E (2342) (FOLNZE) IIITANA
Top Hit Defabese	Source		T_HUMAN	SWISSPROT	EST HUMAN	EST HUMAN	Т	EST_HUMAN									NT.	L_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN (	EST HUMAN				EST_HUMAN	EST_HUMAN		Т	HOMAN		
Top Hit Acession		4504028 NT	2.0E-78 AA253954.1	23266	2.0E-76 AA445982.1	2.0E-78 AA445982.1	2	7.	20E-76 AF127845.1	20E-78 AB028004.1	11421326 NT	11426908 NT	114ZZ410 NT	11437211 NT	7549807 NT	1.0E-76 D63874.1	1.0E-76 D63874.1	1.0E-76 BE796637.1	1.0E-76 AA333207.1	9.0E-77 BE889525.1	9.0E-77 BE410354.1	8.0E-77 R83144.1	8.0E-77 BF205181.1		4506230 NT	8.0E-77 AA019770.1	8.0E-77 AA019770.1	7 2000	8.0E-// RUUZ49.1	7.0E-77 AA625755.1	4505944 NT	4505944 NT
Most Similar (Top) Hit	Value	2.0E-76	2.0E-78	2.0E-76 P23288	2.0E-76	2.0E-78	20E-76	20E-76	2.0E-78	20E-78	20E-76	20E-78	2.0E-78	20E-78	20E-78	1.0E-78	1.0E-78	1.0E-78	1.0E-78	77-30.6	77-30.6	8.0E-77	8.0E-77		8.0E-77	8.0E-77	8.0E-77	100	8.0E-17	7.0E-77	7.0E-77	7.0E-77
Expression		1.74	1.03	3.73	1.87	1.87	1.9	7.6	76.0	5.35	0.55	0.76	1.06	7.03	2.64	3.37	3.37	6.74	0.04	4.09	1.36	1.35	1.25		8.1	1.82	1.82		4.08	2.43	1.88	88.
ORF SEQ		27543	27967	28837	28281	28282	30478	30888		31969	33968	33991	34258	37064	37742	30241	30242	31567		33345		28215	30463		31563	38257	38258				28451	╛
Esan SEQ ID	Ö	14570	14069	15914	<u> </u>	<u> </u>	1	17999	18486		20603	20627		L.,	L.			18622	19440	20043	25499	13289			18627	24679		<u></u>	_l	┙		15428
Probe SEO ID	Ö	1537	1945	2864	3308	3308	4561	4984	2883	2700	7843	7688	7824	10645	11268	4326	4326	5523	6372	7109	12823	280	4550		6239	11716	11718		12800	<del>2</del>	2421	2421

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ALIE EXOLI FIGURES EXPLICATE MALIEN	Top Hit Descriptor	Hamo sepiens interferon (alpha, beta and omega) receptor 2 (IFNAR2) mRNA	EST369623 MAGE resequences, MAGE Homo sapiens cONA	qe77n12.x1 Soares_fetal_tung_NbHL19W Homo sepiens cDNA clone IMAGE:1745063 3'	7 Homo sapiens glucoldnese (GCK) gene, excn 2	Homo sapiens disintegrin and metalloprotease domain 10 (ADAM10) mRNA	Homo sapiens busled-like kinase 1 (TLK1) mRNA, complete cds	Homo septens cultin 1 (CUL1) mRNA	Homo sapiens ubiquitin specific protesse 18 (USP18), mRNA	Hamo sepiens EGF-like repeats and discoldin I-like domains 3 (EDIL3), miXNA	Homo septens EGF-like repeats and discoldin Hike domains 3 (EDILS), mixing	DKFZp434G1728_r1 434 (synonym: htes3) Hamo sapiens dUNA ciane UN.r.zp434c1726 o	Homo septems protein khasse C beta-li type (PRKCB1) mRNA, complete cds	H.sepiens mRNA for ubiquitin hydrolase	H.septens mRNA for ubiquifin hydrolese	Homo sapiens 3-hydroxylsobutynyl-Coenzyme A hydrolase (HIBCH), mRNA	Homo septens 3-hydroxyfsobutyryf-Coenzyme A hydrolesse (HIBCH), mKNA	Hamo sepiens sarting neadn 5 (SNX5), mRNA	Homo saplens sorting neath 5 (SNX5), mRNA	Human mRNA for KIAA0209 gene, partial cds	Human mRNA for KIAA0289 gene, partial cds	Homo saptens SET domain and mariner transposasse fusion gene (SETMAR) mRNA	Homo explens SET domain and marriner transposase fusion gene (SETIMAR) miKNA	yu84g01.r1 Weizmann Olfactory Epitheitum Homo sapiens dDNA done IMAGE:238608 5 similar to SP:S17447 S17447 PROBABLE LIGAND-BINDING PROTEIN RYZG5 - ;	yu64g01.r1 Wedzmann Offactory Eptithetium Homo sapiens cDNA clone IMAGE:238608 5 shrifer to SP:S17447 S17447 PROBABLE LIGAND-BINDING PROTEIN RY2G5 - ;	ox31h07.x1 Soares_testis_NHT Hamo sapiens cDNA clone IMAGE:1638973 3'	oxo1ho7.x1 Sogres_testis_NHT Homo sapiens cDNA clone IMAGE:1638973 3'	PAK3-A/T0078-080800-005-g03 MT0078 Homo septens cDNA	AV784617 MDS Hamo septens cDNA clone MDSBTF10 67	RC3-BN0053-170200-011-h01 BN0053 Homo sapiens cDNA	Homo saplens CYP17 gene, 5' end	Homo sapiens CGI-79 protein (LOC51634), mRNA	Homo sapiens mRNA for KIAA1415 protein, partial cds
AUII FIUDES E	Top Hit Database Source		EST_HUMAN	EST_HUMAN				NT				EST_HUMAN	M	NT	NT	NT	M	MT	NT	NT	NT	NT	¥	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	Į.	M	K
Diligia	Top Hit Acessian No.	4504600 NT	6.0E-77 AW957753.1	6.0E-77 AI204068.1	5.0E-77 AF041015.1	4557250 NT	6.0E-77 AF162688.1	4503160 NT	8394518	5031680 NT	5031660	5.0E-77 AL043953.1	6.0E-77 M13975.1	5.0E-77 X98296.1	<b>198296.1</b>	11428849 NT	11428849 NT	11421928 NT	11421928 NT	5.0E-77 AB002297.1	& 0E-77 AB002297.1	5730038 NT	5730038 NT	3.0E-77 H65167.1	3 0F-77 H65167.1	Alor 7333.1	3.0E-77 AI047333.1	3 0F-77 RF359917 1	2.0E-77 AV764617.1	20E-77 AW997712.1	2.0E-77 L41825.1	7706315 NT	2.0E-77 AB037836.1
	Most Similar (Top) Hit BLAST E Vatue	6.0E-77	6.0E-77	6.0E-77	5.0E-77	5.0E-77	6.0E-77	5.0E-77	5.0E-77	5.0E-77	5.0E-77	5.0E-77	6.0E-77	5.0E-77	5.0E-77 X98296.1	5.0E-77	5.0E-77	5.0E-77	5.0E-77	5.0E-77	5.0E-77	3.0E-77	3.0E-77	3.0E-77	3.0F-77	3 OF-77	3.0F-77	3.0F-77	2.0E-77	20E-77	2.0E-77	2.0E-77	2.0E-77
	Expression Signal	4.64	20.18	3.97	234	1.41	1.03	0.96	0.64	0.92	0.92	3.64	0.84	0.52	79.0	122	1.22	3	3	0.82	0.82	1.26	1.26	0.71	22.0	890	890	89.68	188	231	1.01	2.46	228
	ORF SEQ ID NO:	28283	27/138	27551		27367	28709	28786	29504	30844	30645	30880	33499	33869	33889	Ĺ			38238	37278	37277	28016		l 									
	SEQ ID NO:	13358	14187	14578	14276	14398	15691	15768	16580	17752	17752	17990	20175	20511	20511	21679	21679	22811	22811	23777	23777	15010	15010	23574	<u> </u>		22000	24475	L				Ш
	Probe SEO ID NO:	282	1144	1545	1240	1362	2695	2774	3534	4732	4732	4075	150	\$ £	7840	8711	8711	8258	8288	10857	10857	198	1989	10862	40060	4000	4000	1	4354	1428	762	2113	2800

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Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Homo sepiens mRNA for KIAA1415 protein, partial cds	ho43b05.x1 Soares_NFL_T_GBC_S1 Homo sepiens dDNA done IMAGE-3040113 3' similar to SW:GAG2_HUMAN P10264 RETROVIRUS-RELATED GAG POLYPROTEIN;	W22g02.x1 NCI_CGAP_Bm52 Homo sepiens cDNA done IMAGE:2260466 3' striiter to TR:065245 065245 F21E10.7 PROTEIN.;	IWZ2g02x1 NCI_CGAP_Bm52 Homo septens cDNA clone IMAGE:2280468 3' similiar to TR:065245 065245 F21E10.7 PROTEIN.;	ns68g12.s1 NCI_CGAP_Pr2 Homo sapiens cDNA clone IMAGE:1188838 similar to SW:RL29_HUMAN P47814 60S RIBOSOMAL PROTEIN L29. [1];contains element MSR1 repetitive element;	tw22g02.x1 NCI_CGAP_Bm52 Homo sepiens cDNA done IMAGE:2260468 3' similar to TR:065245 065245 F21E10.7 PROTEIN. ;	tw22g02x1 NCI_CGAP_Bm52 Homo septens cDNA clone IMAGE:2260466 3' shrifer to TR:065245 065245 F21E10.7 PROTEIN ;	601119852F1 NIH_MGC_17 Homo septens cDNA clone IMAGE:3029436 5	601476802F1 NIH_MGC_68 Homo sapiens cDNA clone IMAGE:3879505 5	at74a00.xt Barstead colon HPLRB7 Home sapiens cDNA clone IMAGE:2377720 3' similar to TR:Q13311 Q13311 TAX1-BINDING PROTEIN TXBP151. [1];	qy70c09.x1 NCL_CGAP_Bm25 Homo sepiens cDNA clone IMAGE.2017360 3' similar to WP:F23D11.1 CE05765 LOW DENSITY LIPID RECEPTOR-RLATED PROTEIN ;	Human protein kinese C substrate 80K-H (PRKCSH) gane, axon 7	Human protein kinase C substrate 80K-H (PRKCSH) gene, exon 7	601895183F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4124541 5	601895183F1 NIH_MGC_19 Homo sepiens cDNA ctone IMAGE:4124541 5	Homo sapiens mRNA for KIAA1276 protein, pertial cds	Homo sepiens mRNA for KIAA1276 protein, partial cds	Homo septens amyloid beta (A4) precursor protein (protease nextn-ll, Abheimer disease) (APP), mRNA	Homo sapiens amyloid beta (A4) precursor protein (protease nexin-II, Abthetmer disease) (APP), mRNA	Homo sapiens amyloid beta (A4) precursor protein (protease nextin-II, Alzheimer disease) (APP), mRNA	Homo sapiens amyloid beta (A4) precursor protein (protease nexin-II, Alzheimer disease) (APP), mRNA
Top Hit Databese Source	N.	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	NT	NT	EST_HUMAN	EST_HUMAN	M	NT	NT	NT	TN	L
Top Hif Acession No.	20E-77 AB037836.1	2.0E-77 BE044316.1	20E-77 Al613519.1	2.0E-77 Al613519.1	2.0E-77 AA653025.1	2.0E-77 AI613519.1	20E-77 Al613519.1	2.0E-77 BE298940.1	2.0E-77 BE787143.1	2.0E-77 AI833003.1	2.0E-77 At362707.1	2.0E-77 U50321.1	2.0E-77 U50321.1	2.0E-77 BF310349.1	2.0E-77 BF310349.1	1.0E-77 AB033102.1	1.0E-77 AB033102.1	4502168 NT	4502166 NT	4502168 NT	4502166 NT
Most Similar (Top) Hit BLAST E Velue	20E-77	2.0E-77	205-77	2.0E-77	20E-77	20E-77	20E-77	20E-77	20E-77	20E-77	20E-77	2.0E-77	20E-77	2.0E-77	2.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77
Expression Signal	2.28	1.25	0.68	0.68	2.32	0.65	0.65	2.06	1.62	14.21	0.75	5.64	5.64	0.5	9.0	0.94	0.94	1.33	1.33	231	2.31
ORF SEQ ID NO:	28621				30713		30358	32358	32607	33704	35284	36295	36296	36753	36754	26068	26069	28294	26292	26891	26892
Exan SEQ ID NO:	15898	<u> </u>		1	17819	L_	L.	L		Ĺ	<u> </u>	Ŀ			23278	13165	13165	13368	13368	15853	15853
Probe SEQ ID NO:	2800	4064	4442	4442	4802	5158	5158	808	883	7380	8874	8888	9888	10354	10354	\$	45	272	272	876	876

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Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	Homo septens mRNA for KIAA1101 protein, complete cds	Homo sapiens 2,4-dienoyl CoA reductase 1, mitochondrai (UECK1), mixwA	Homo sapiens CGI-80 protein (LOC51628), mRNA	Homo sapiens cAMP responsive element binding protein 1 (CREB1) mirtha	Homo sapiens 959 to config between AML1 and CBR1 on chromosome 21q22; segment 1/3	Homo sapiens breast cancer 1, early onset (BRCA1), transcript varient BRCA1-exone, minute.	qv09g04.x1 NCI_CGAP_Ktd8 Homo septens dDNA done IMAGE:1981110 3	Homo sepiens cAMP responsive element binding protein 1 (CREST) mKNA	Homo sapiens cAMP responsive element binding protein 1 (CAEDI) mitch?	Homo sepiens chromosome 21 segment HS210347	Homo saplens dynactin 1 (DCIN1) gene, exons 2/1 and 28	Homo sepiens dynactin 1 (DCTN1) gene, extrns 27 and 28	Human von Willebrand factor gene, exon 20	Homo sapiens diaphancus (Drosophile, homolog) 1 (DIAPH1), mRNA	Homo septens elestin (suprevelvular eortic stanosis, Williams-Bauren syndroms) (ELN), miKNA	Hamo sepiens cultin 1 (CUL1), mRNA	Human mRNA for kidney epidermal growth factor (EGF) precursor	H.eapiens DNA for Cane cGMP-PDE gene	H. sepiens DNA for Cone cGMP-PDE gene	Homo sapiens hu-GicAT-P mRNA for glucuronyltransferase, complete ods	Homo sapiens hu-GlcAT-P mRNA for glucuronytransterase, comprete cos	RC3-CT0254-280809-011-b05 CT0254 Hamo saplens aDNA	RC2-ET0023-080500-012-e05 ET0023 Homo septems 9DNA	RC2-ET0023-080500-012-805 ET0023 Hamp septents GUNA	AU118789 HEMBA1 Homo sapiens CLIVA CICIP FIEMDATION SOFT	AU118789 HEMBA1 Homo sapiens duna cidne hembanuwasek b	602016926F1 NC_CGAP_Brit64 Hamp separas CUNA Game INVIGE: +1 102011 5	Homo sapiens GDNF family receptor appra 1 (GFKA1), mKNA	Homo sepiens hypothetical protein FLJ11316 (FLJ11316), miXNA	be54n03.ys NIH_MGC_10 Homo septens cDNA cione IMAGE:2900405 5 similar to WP:74850A.6 CC2342 :	Umm Allenanese tive IV (C GA) nene eem 8	Truingly rough race type in (Care ) gainst comment in the partial cds	Home septens best a machine unsufficiently reason product in use, parent con-	Additional and a contraction of the contraction of
# 8 P		TN					TN	EST_HUMAN q					NT						Į.	Z	F.	- LW					╗	T_HUMAN				HOMAN			IN.
	Top Hit Acession No.	1.0E-77 AB029024.1	4503300 NT	TV06299 NT	4758053 NT	1.0E-77 AJ220041.1	6552322	1.0E-77 AIZ73014.1	4758053 NT	4758053 NT	1.0E-77 AL163247.2	1.0E-77 AF086944.1			4885182 NT	5881412 NT	11420159	<b>C04571.1</b>	1.0E-77 X94354.1		1.0E-77 AB029396.1	1.0E-77 AB029396.1	9.0E-78 AW753302.1	8.0E-78 AW947061.1	8.0E-78 AW947061.1	8.0E-78 AU118789.1	6.0E-78 AU118789.1	6.0E-78 BF344101.1	11432710 NT	11422486 NT		5.0E-78 AW673424.1	5.0E-78 M55586.1	5.0E-78 AF038536.1	11416585 NI
N	(Top) Hit BLAST E Vetue	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.06-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77	1.0E-77 X04571.1	1.0E-77	1.0E-77	1.0E-77	1.0E-77	9.0E-78	8.0E-78	8.0E-78	8.0E-78	6.0E-78	8.0E-78	6.0E-78	5.0E-78		}			5.0E-78
	Expression Signal	1.73	204	3.92	57.0	16.98	211	0.72	0.95	99.0	1.12	1.61	1.61	1.39	1.38	14.51	16.0	0.69	0.65	0.65	0.92	0.92	8	2.93	2.83	2.14	2.14	8.56	234	1.79			3.94		24.78
	ORF SEQ ID NO:	738477	20028	30289	30438	30465	30589	30632	30438	30438		32324	32325							l										28244			28372		31917
	SEO EO NO:	15455	1845	17408	17550	17575	12201	17741	17550	17550	18254	19120	48.20	19240	10650		L		L	L	2840	Ŀ			L		L.	1		1	<u> </u>		16445		18751
	SEO EO NO:	0470	2058	388	4525	AF. S.	4680	TAL P	2000	5219	5246	8038	8	ed 65	2039	7254	acor.	OF OF OF	0280	8	10807	10801	10016	6580	6580	88	88	3325	67.12	1 8		2569	3386	5486	5655

Page 381 of 546 Table 4 Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor		EST365190 MAGE resequences, MAGB Hamo expiens cDNA	Hunan lysosomal alpha-mannosidase (manB) gene, exon 7	601648061F1 NIH_MGC_62 Hamo sapiens cDNA clane IMAGE:3831887 5	TCAAP1E0886 Pediatric acute myelogencus leukemia cell (FAB M1) Baylor-HGSC project=TCAA Homo	sapiens cDNA clone TCAAP0686	TCAAP1E0886 Pediatric acute myelogenous leukemia cell (FAB M1) Baylor-HGSC project=TCAA Homo	Septemble CLAVA Grants I CAMAN TOOLOGO	DKFZp454N03Z3_r1 434 (synonym: mess) Homo sapiens a UNA cione DNFzp454N0525 5	Novel human gene mapping to chomosome 22	w197b12x1 NCJ_CGAP_K1d11 Homo sapiens dDNA clone IMAGE:24966153's finitier to SW:WAP_PIG 048865 WHEY ACIDIC PROTEIN PRECURSOR;	Hamo saplens pre-mRNA splicing factor (SFRS3) mRNA, complete cds	Homo septens synoytin (LOC30816), mRNA	Homo septens phosobalita/linosito/ 4-kinase, catalytic, alpha polypeptide (PIK4CA) mRNA	Homo sepiens phosphatidylinostiol 4-khase, catalytic, alpha polypeptide (PIK4CA) mRNA	Homo sapiens SFRS protein lunese 2 (SRPK2), mRNA	Homo sepiens KIAA0428 gene product (KIAA0428), mRNA	Homo sapiens KIAA0426 gene product (KIAA0426), mRNA	Homo sapiens ribosomal protein S6 kinase, 70kD, polypeptide 1 (RPS6KB1) mRNA	Homo sepiens ribosomal protein S8 kinase, 70kO, polypeptide 1 (RPS6KB1) mRNA	Homo sapiens phosphatidylinosital 4-kinase 230 (pi4K230) mRNA, complete cds	Hamo sepiens phosphatidylinosital 4-kinese 230 (pi4K230) mRNA, complete cds	Homo sapiens X-ray repair complementing defective repair in Chinese hamster cetts 4 (XRCC4), mRNA	Homo sapiens hypothetical C2H2 zinc finger protein FLJ22504 (FLJ22504), mRNA	Hamo septens hypothetical C2H2 zinc finger protein FL/22504 (FL/22504), mRNA	Homo sepiens s-CaBP1 (CABP1) mRNA, complete cds	Human transforming growth factor-beta precursor gene exons 4-5 (and joined mature peptide)	Homo sapiens myosin, heavy polypeptide 4, skeletal muscle (MYH4), mRNA	Homo sapiens gene for AF-6, complete cds	Homo sapiens eRF1 gene, complete cds	Homo sapiens eRF1 gene, complete cds	AU140604 PLACE3 Home septens cDNA clone PLACE3000373 5	Homo septens syneptoganin 1 (SYNJ1), mKNA
Top Hit Databese Source		EST_HUMAN	NT	EST_HUMAN		EST_HUMAN		Т	HUMAN	NT.	EST HIMAN	Т	L L	Į		¥	L	N FA	Ę	N.	IN	NT	TN	NT	NT	NT	NT	NT	NT	NT	NT	EST_HUMAN	LN L
Top Hit Acession No.		0.1		5.0E-78 BE960836.1		5.0E-78 BE241639.1			2	4.0E-78 AL355841.1	A NE. 78 A 1085/104 1	Ţ	56876	A505808 NT	4505808 N	11420732 NT	7662109 NT	7662409 NT	4506736 NT	4506736 NT		4.0E-78 AP012872.1	11417251 NT	11660151 NT	11560151 NT	4.0E-78 AF169148.1	4.0E-78 X05844.1	11024711 NT	4.0E-78 AB011399.1	3.0E-78 AF095901.1	1	3.0E-78 AU140604.1	4507334 NT
Most Similer (Top) Hit BLAST E	Value	5.0E-78	5.0E-78 U60889.1	5.0E-78		5.0E-78		5.0E-78	4.0E-78	4.0E-78	A 05-78	4.05-78	4.0E-78	A OF 78	4.0E-78	4 OF-78	40E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	4.0E-78	3.0E-78	3.0E-78	3.0E-78	3.0E-78
Expression Signal		222	6.85	3.51		1.64		26.	1.86	2.74	:	984	147	2 48	218	4 43	200	0.61	0.59	0.58	1.98	1.68	0.64	1.97	1.97	1.85	6.69	2.38	3.89	2.77	2.77	0.94	0.68
ORF SEQ ID NO:		33681	35840			38112			27133	27524	77880	200/2	3036										36204					38599	31739	26189	26190		17762
SEQ ID	<u> </u>	20331		L	Ŀ	24662	L		14182	14553			1200	17077	17824	18081	1080	18369	19781		L	L	22764				L		25428		13265		16869
SEO ED	<u> </u>	7361	8538	9439		11614		11614	1139	1521	1050	9090	4350		480/	5067	300K	6297	50.00	7733	928	8208	8228	10811	10811	11749	11883	12126	12797	162	162	3776	3829

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	Top Hit Descriptor	Homo sepiens synaptojantin 1 (SYNJ1), mRNA	OM0-HT0180-041099-065-c07 HT0180 Homo sapiens cDNA	QV0HT0387-150200-114-909 HT0387 Homo septems cDNA	Users the North religious depto & shair (CO) 445) sone error 20	Hamb septents type IV cuitages eights to client (College) genty consists Egiteness industrially Millema septent cityla 5 and	23 I IOZDO JULINI I TVERS VII INITI DE CONTROL CONTROL DANA ANTO ILAGE PORTATO R	ULHF-EKO-694-0-C-ULTI NIIT MGC 30 HOTTO SEPTERS CONTINUE IMMOCESTICS S	ULHE-BKO-day-0-10-0-ULT NIH MISC 36 Hamo sapisms count care inwise 300 to 100 t	602/86523F1 NIH MGC 49 Hamp septems curve care introc. 2200589 o	AV714177 DCB Hamo septens culva dane DCBAW rus o	Pt2.1 16 B07.r tumor2 Homo saptens CJNA 3	Pt2.1_16_B07.r tumor2 Home septens cDNA 3	ojsonos x1 NCI_CGAP_Brazs Homo sapiens cDNA clone IMAGE:1859961 3' similar to WP:1600.1 CE06325 PROTEIN KINASE ;	2848f12.s1 Sogres fetal liver spieen 1NRLS Homo sepiens cDNA clone IMAGE:286823 3*	Homo sapiens GAP-like protein (LOC51306), mRNA	AV648669 GLC Homo septens cDNA clone GLCBMCD1 3"	Human sertnerthreomine kinase MNB (mmb) mRNA, complete cds	Home saplens low density fipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens peptide YY (PYY), mRNA	RC2-BN0074-090300-014-c12 BN0074 Homo seplens cDNA	Homo sapiens mRNA for activator of 3 phase Kinase, complete cds	Homo sepiens ubiquith-conjugating enzyme EZE 3 (homotogous to yeast UBC4/5) (UBEZE3) mRNA	Homo sepiens hypothetical protein FLJ11294 (FLJ11294), mRNA	Homo sapiens hypothetical protein FLJ20345 (FLJ20345), mRNA	Hamo sapiens cAMP response element-binding protein CRE-BPa (H_GS165L15.1), mRNA	Homo saplens cAMP response element-binding protein CRE-BPa (H_GS1665.16.1), mRNA	Human T-cell mRNA for ghoyt PRNA synthetase, complete cds	Homo sapiens threony-tRNA synthetase (TARS), mRNA	Homo sepiens threonyl-tRNA synthetese (TARS), mRNA	Homo sapiens caseln kinase II alpha subunit mRNA, complete cds	Homo sapiens casein kinase II alpha subunit mRNA, complete cds	Homo sepients DNA for amyloid precursor protein, complete cds	Homo septens hypothetical protein FLLZJ333 (FLLZJ333), mitver
T AND I I IOW DIR	Top 法 Defabese Source		T KI IMAN	Т		T	7			Т		П	EST_HUMAN	EST HUMAN	Т		HUMAN				T HUMAN	П				K	Z.	IN	¥	N.	NT.	TN	NT	Ę
Pigno	Top Hit Acession No.	4607334 NT	9 OC 70 DE444759 4					Ţ	_		2.0E-78 AV714177.1		2.0E-78 AI557509.1			1417304			11430460 NT	TA FORBON NT	9.0E-79 BE000837.1		5454145 NT	11430822 NT	11424427 NT	11421735 NT	11421735 NT	ł	4447280 NT	11417280 NT	1	J02853.1	1_I	11438843 NT
	Most Similar (Top) Hit BLAST E Value	3.0E-78	0 or 70 o	2 AE 78 BE158318	9.05-70	20E-78 U04489.1	20E-78 AA311872.	2.0E-78 A	2.0E-78	2.0E-78	2.0E-78 A	2.0E-78	2.0E-78	0 20 20 0	2 OF TRINMSSET 1	1.05-78	4 OF-78 A	1 0F-78 U52373.1	4 OF 78	07.00	9.0E-79	9.0E-79	90F-70	9.0E-79	9.0E-79	9.0E-79	9.0E-79	9.0E-79 D30858.1	9.0E-79	9.0E-79	9.0E-79 J02853.1	9.0E-79 J02853.1	9.0E-79	9.0E-79
	Expression Signal	QL o	E L	0.78	2	4.1	1.43	1.24	1.24	3.2	2.54	1.51	1.51	e c	186	322	280	200	1	2 6	201	16.13	2.40	0.87	100	280	0.84	0.55	25	0.5	5.63			0.66
	ORF SEQ ID NO:	20771		7000	3/804			34027	34028	34335	34766								04047		30030					34150		$\perp$						37146
	Exan SEQ ID NO:	4 6960					17080	20662		L.	21344		į.		2000		L	┸		L	177046	1		1	L		1	1_			1_	L.		Ш
	Probe SEQ ID NO:	4434	1217	188	11326	3138	4042	7706	7355	8003	8875	886	8785		11410	11400	3	41.0	8 8	300	4727	4033 EE07		212	7573	2000	100	7875		2000	8148	9418	9735	10730

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Homo saplens zinc finger protein 216 spilice variant 1 (ZNF216) mPNA, complete cds	Hamo sapiens zinc finger protein 216 splice variant 1 (ZNF216) mRNA, complete cds	Hamo septens TRAFFeregulated IKK activator 1 beta Uev1A mRNA, complete cas	Hame septens suppressor of white epricot hamolog 2 (SWAP2), mRNA	Hamo sapiens suppressor of white epricot handog 2 (SWAP2), mRNA	Homo sepiens KIAA1035 protein (KIAA1035), mRNA	Homo sepiens gamma-glutamyitransfensse 1 (GGT1), mRNA	Hamo sapisms chromosome 21 segment HS21C010	Homo sepiens perfod (Drosophila) homolog 3 (PER3), mRNA	G01472766T1 NIH_MGC_68 Homo sapiens cDNA clone IMAGE:3876657 3'	284604.51 Sogres_fetal_liver_spicen_1NFLS_S1 Hamo sapiens cDNA done IMAGE:462558 S' similer to TR:Q15408 Q16408 NEUTRAL PROTEASE LARGE SUBUNIT;	Home sapiens chronosome 21 segment HS21C082	Hamo septens hypothetical protein FLJ10283 (FLJ10283), mRNA	Homo sepiens intersectin short isoform (ITSN) mRNA, complete cds	Hamo sapiens cell-line tsA201a chioride ion current inducer protein I(CIn) gene, complete cots	Human zinc finger protein ZNF131 mRNA, partial cds	Homo septens MSTP016 (MST016) mRNA, complete cds	Homo sapiens mRNA for KIAA0892 protein, partial cds	601482143F1 NIH MGC 68 Hamo sepiens cDNA cione iMAGE:3884554 b	601482143F1 NIH MGC 68 Hamo sepiens CUNA clare IMAGE:3884564 b	Homo septens neum 1 (N IN1), mixina	Homo septens netrn 1 (N IN1), mKNA	601112055F1 NIH_MGC_16 Hamp septems cDNA crane IMAGE33322885 5	Homo sepiens mRNA for KJA40820 protein, pertial cds	Homo septens mRNA for KIAA0820 protein, partial cds	Hamo sepiens Bol-2-essociated transcription factor short form mRNA, complete cds	Homo sapiens tetratricopeptide repeat domain 3 (TTC3), mRNA	AV698115 GKC Hamo septems aDNA clane GKCAHE11 5	yr48f03.sr1 Soares fetal liver spleen 1NFLS Homo septens cDNA clone IMAGE:2085413'	801159415F2 NIH_MGC_53 Homo sepiens aDNA clane IMAGE:3511107 5	Homo sapiens BCL 2-live 2 (BCL 2L2) mRNA	Homo sapiens Gardner-Rasheed feline sercoma viral (v-fgr) oncogene homolog (FGR) mRNA	Homo sapiens Gardner-Rasheed feline sarcoma Viral (M-fgr) oncogene nomoog (FGR) mixNA
Top Hit Detabese Source	NT	NT	NT	NT	NŢ	F	F	NT	M	EST HUMAN	EST HUMAN	M	ΝŢ	NT	NT	K	Į.	N L	EST HUMAN	EST_HUMAN	Į.	. [	EST_HUMAN	Z	M	NT	NT	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	NT	NT	닏
Top Hit Acessian No.	8.0E-79 AF062346.1	9.0E-79 AF062348.1	8.0E-79 AY008273.1	23827	11423827	7882451 NT	17877	8.0E-79 AL163210.2	8567387 NT	7.0E-79 BE619648.1	6.0E-79 AA699829.1	2	8922325 NT	3.0E-79 AF114488.1	2.1		3.0E-79 AF110322.1	_	3.0E-79 BE789470.1	3.0E-79 BE789470.1	11428770 NT	11426770 NT	3.0E-79 BE256893.1	1	1	3.0E-79 AF249273.1	10835036 NT	3.0E-79 AV698115.1	2.0E-79 H63129.1	2.0E-79 BE379926.1	4757841 NT	4885234 NT	4885234
<del></del>	R	B	6	6	H		6	l <del>à</del>	6	듄	<del></del>	+-	_			ì	1	-34	=	_	ᇷ	ᇷ	ō	Ø	2	62,	æ	2	2	Ē	B	5	<u>ē</u>
Most Similar (Top) Hit BLAST E Value	9.0E	9.0E-7	8.0E-7	9.0E-79	9.0E-79	9.0E-79	9.0E-79	8.0E-7	8.0E-79	7.0E-7	6.0E-75	5.0E-79	4.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-79	3.0E-7	3.0E-	3.0E-	3.0E-	3.0E-79	3.0E-					2.0E-79
Expression (Top) Hit Signal Value	1.53 9.0E-		4.27 8.0E-7	2.87 8.0E-7		2.71 9.0E-7	1.55 9.0E-7	1.33 8.0E-7		7.24 7.0E-7			1.35 4.0E-79	1.46 3.0E-79	2.02 3.0E-79	1.82 3.0E-79	6.05 3.0E-79					4.05 3.0E-7	0.8 3.0E-7	3.31 3.0E-i	3.31 3.0E-	1.58 3.0E-	0.57 3.0E-	0.64 3.0E-			1.35	4.78	4.78
		37205 1.53	37882 4.27	38310 2.97	38311 2.97	38586 2.71	31720 1.55	29708 1.33	31078 0.66		288	38290 4.57	1.35	26331 1.46	26984 2.02	29082	31445 6.05	32085 1.61	32115 0.95	32116 0.95	32138 4.05	32139 4.05				34886 1.58	36156 0.57	0.64	2.05	26622 1.29	26935 1.35	26990 4.78	26991 4.78
Expression Signal	1.53	23705 37205 1.53	24350 37882 4.27	24724 38310 2.97	24724 38311 2.97	24985 38586 2.71	25656 31720 1.55	16797 29708 1.33	18204 31078 0.66	16320 29242 7.24	25020	24707 38290 4.57	18246 1.35	13405 28331 1.48	14030 26984 2.02	1.82	18637 31445 6.05	32085 1.61	18931 32115 0.95	18931 32116 0.95	18952 32138 4.05	18952 32139 4.05	8.0	18997 33294 9.31	19997 33295 3.31	21472 34886 1.58	36156 0.57	23634 0.64	13382	13701 26622 1.29	13981 26935 1.35	14036 26990 4.78	14036 26991 4.78

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	Top Hit Descriptor	th 18h07.x1 NCI_CGAP_Prz8 Hamo sepiens cDNA dane IMAGE:2118685 31	Homo sapiens Dickloopf gene 4 (DKK-4), miRNA	Homo sapiens Dicktopf gene 4 (DKK-4), mRNA	Homo sapiens KIAA0703 gene product (KIAA0703), mrt4VA	Homo sepiens phosphodiesterase 6A, CGMP-specific, rod, alpha (PUCOA), move.	Homo sapiens phosphodiesterase 8A, CGMIspecinc, rod, apria (PUEDA), mixida	Homo sapiens mRNA for Fes-essociated ractor, FAFT (Fart gene)	Homo sapiens chicing charma (L.C.4 (L.C.4) in N.V., compare we	Homo sapiens mRNA for res-associated tactur, rAr1 (rein gene)	Homo sapiens chromosome 21 segment HSZ1CW6	EST182926 Linket T-cells VI Homo sapiens CDNA 5' end similar to similar to C. eregans hypometral process, proce	Homo eapiens X transporter protein 8 (XT3), mRNA	Users sendence mDNA for KIAA0830 rentain nortist cals	And submissing of the contraction of the contractio	Homo sepiens membrane essociated calcium-independent phospholipase A2 gamma mRNA, complete cds	Homo sapiens Rho GTP ase active ting protein 8 (ARHGAP'S), transcript varieta. 4, mrthy	Homo septens Rho G I Pesse activiting protein of Variable "0, utilisate valual 4, illustra	Homo sepiens retinoblastoma-tike 1 (p107) (RBL.1) mrtNA	Homo sapiens hypothetical protein FLJ11008 (FLJ11008), midNA	Homo sapiens hypothetical protein FL/20275 (FL/20275), mRNA	Homo sepiens hypothetical protein FLJ20275 (FLJ20275), mixtwa	Homo saplens similar to ATPase, H+ transporting, lysosoma (vacuota proun punip) membrane social procedure protein Ms o (H-santens) (1 OCS3661), mRNA	SESSICIAL PROGRAMMENT OF THE SESSICIAL PROGRA	4(L70ST/0) purante cycorcinem protein (minut, tiphou, intoch con int	H4(D10S170) Formande Gyndskateral protecti (market, misser, commissed)	RC4-BIGGIO-010-010-010 FIGURE REPORT SECTION AND SECTION OF THE SE	RC4-B10310-110300-010-110 B10310 radio square work	Hamo septemb post 2 gene for mornicacione reculcase, entra e en comprese com	Homo Sapiens NJAAUS/9 protein (NJAAUS/9), IIINNY	Homo sepiers mrNA for KIAAU633 protein, par usi cus	Homo sapiens cadheirin Eidir LiAic saverpassa Grigha Teorghau TiCLLAN II, III CAT	MICHAINAGO - SOCOOD - 1 - DI MICHAIN SOCO - 1 - DI MICHAIN SOCO -
_	Top Hit Detabasa Source	T_HUMAN									NT		TOWAR		·												T	T HUMAN					EST_HUMAN
	Top Hit Acession No.		7857024 NT	7857024 NT	7682255 NT	4585863	4585863						2.0E-79 AA312223.1 ES		2.0E-79 AB020637.1	2.0E-79 AF283613.1	7382479 NT	7382479	4508442 NT	11427428 NT	8923248 NT	8923248		1432184			2.0E-79 BE064386.1	2.0E-79 BE064386.1	2.0E-79 AB036532.1	7662357 NT	2.0E-79 AB020640.1	11418322 NT	1.0E-79 BF363071.1
	Most Similar (Top) Hit BLAST E Value	20E-79 AI523747.1	20E-79	2.0E-79	2.0E-79	2.0E-79	20E-79	2.0E-79	20E-79	2.0E-79	2.0E-79		2.0E-79	Z.VE-78	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79	20E-79	2.0E-79	2.0E-79		2.0E-79	2.0E-79 S72869.1	2.0E-79	2.0E-79	2.0E-79	2.0E-79	2.0E-79			
	Expression Signal	1.02	0.97	0.97	0.92	4.97	4.97	0.91	0.83	1.15	76.0		121 E	0.00 0.00	1.07	0.7	1.74	1.74	1.13	2 55	0.46	0.46		1.1	3.12	3.12	3.86	3.86	2.62	3.21	4.8		3.28
	ORF SEQ ID NO:		27819	27820	27914	L		28237	29887						32682	31273								35749	36865	36866	37840	37841		31296			
	SEQ ID	44082	4683	14832	14918	15174	15174	16217	16973	17224	17736			18905	19439		L	Ŀ	L	202	L	L		22322	<u> </u>		1_	<u> </u>				L	L.I
ľ	Probe SEO ID NO:	188	3	1 2 2	1883	2158	2158	282	8833	4193	4746		57.54	5815	6371	7482	N K	7373	8637	3 8	9 9 1 8 1 8	8		9857	10452	10462	11368	11368	11666	12207	12283	12524	6739

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Tilgle Lyon State and the Stat	Most Striller Expression (Top) Hit Top Hit Acession Database Signal BLAST E No. Source	0.51 1.0E-79 AI613480.1 EST_HUMAN	0.51 1.0E-79 AI013480.1 EST HUMAN	0.73 1.0E-79 BE394211.1 EST HUMAN	2.64 1.0E-79 BF087405.1 EST_HUMAN	6.25 9.0E-80 AA725848.1 EST_HUMAN	6.25 9.0E-80 AA725848.1 EST HUMAN	1.02 9.0E-80 BE798803.1 [EST_HUMAN	8.28 9.0E-80 11433924 NT	Homo sapiens solute cerrier family 7 (cationic arritro acid transporter, y+ system), member 8 (SLC/AB), memb	1.22 8.0E-80 U94387.1 NT Homo sapiens Y chromosome spermatogenedis candidate protein (RBM) pseudogene mRNA, partial cds	2.95 8.0E-80 11422847 NT	2.95 8.0E-80 11422847 NT	1.14 8.0E-80 6005921 NT	1.14 8.0E-80 6005621 NT	2 0.58 7.0E-80 AF127882.1 INT Callithrix jacchus offsctory receptor (CJA80) gene, partial cds	0.7 6.0E-80 AV22197.1 EST_HUMAN	2.17 6.0E-80 U64898.1 NT	1.17 6.0E-80 6631094 NT	1.17 6.0E-80 6631094 NT	1.1 6.0E-80 AB032981.1 (NT	1.1 6.0E-80 AB032981.1 NT	1.32 6.0E-80 11421462 NT	3.12 6.0E-80 A.1404468.1 NT	3.81 6.0E-80 11436736 NT	6.0E-80 7662393 NT	0.88 6.0E-80 M18533.1 NT	8 3.06 6.0E-80 11526464 NT Homo sapiens G protein-coupled receptor 31 (SPK51), mKNA
											122															38.0		
	ORF SEQ.	33200	1				7 20132		38104		Ω	34183					26913	ŀ				30226		32503	32686	71		42 35568
	SEO ID NO:	19905	l _	L	L_		16217		<u> </u>	l	16880	1_	ı	ļ	l		13956		L	L		L		19268	L	19471		3 22142
	Probe SEQ ID NO:	2388	8		1194	3161	316	10373	11606	11606	3616	7862	7862	1278	9757	7168	٤	1850	2307	2307	4314	4314	5899	6194	6366	6403	6455	9176

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	Top Hit Descriptor	Hamo sapiens G protein-coupled receptor 51 (GPR51), mRNA	Hamo sepiens chromosome 21 segment HS21C101	Hamo sapiens HSPC146 mRNA, complete cds	Homo sapiens Xq pseudosutosomal region; segment 1/2	Human cone photoreceptor cGMP-phosphodiesterase apha suburitigene, exxn Z1	Homo sapiens brefeldin A-inhibited guanine nucleotide-exchange protein 1 (BIG1), mRNA	Hamo sepiens Cyt19 mRNA, complete cds	Homo sapiens N-acetylglucosamine-phosphate mutase mRNA, complete cds	Homo sapiens glutathtone S-transferase theta 2 (GST12) and glutatrione S-transferase theta 1 (GST11) genes, complete cds	Homo sapiens CST gene for cerebroside sulfotransferase, exon 1, 2, 3, 4, 5	Homo septens mRNA for scottum-ducose cotransporter (SGLT2 gene)	Homo septens probassome (prosome, macropain) 26S subunit, non-ATPase, 3 (PSMD3) mRNA	Lieune services cortes throughes worken timess (MARH) mRNA complete cds	Hans saprans sening through process (MNBH) mRNA, complete cds		H. sapiens nati gene (exam 12)	Homo sepiens chromosome Z1 segment NSZ1CV83	Human (3) mbt protein homolog mRNA, complete cds	Homo saptens mRNA for KIAA1434 protein, pertiel cds	Homo septens H3 histone family, member J (H3FJ) mRNA	Homo sapiens HMT-1 mRNA for beta-1,4 mannosyfransferase, complete cds	Homo sapiens HMT-1 mRNA for beta-1,4 mannosyntransferase, complete cos	Homo sepiens chromosome 21 segment HS21 CD68	Mus musculus keratin complex 2, gene 6g (Kr2-6g), mRNA	HSPD13165 HM3 Hamo sepiens cONA clane s4000045F03	Homo sepiens chromosome 21 segment HS21C010	PMo-GN0018-040900-002-E03 GN0018 Homo septens cDNA	QV4-BN0263-040600-241-g10 BN0263 Hamo septens cDNA	oc23e12.xt Scares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:1567054 3' strriter to TR-0357th 0357th 0357th 0	Section of Course Infant hair 1/1R Home seriers abiNA done INAGE-38060 5	MUCASUO, I CARAGO BIBBIL MARIE INIDE FINITO SAMBOS COLOS CARAGOS DE CARAGOS COLOS CARAGOS DE TARACOS COLOS CARAGOS DE TARACOS COLOS CARAGOS DE TARACOS COLOS CARAGOS DE TARACOS CARAGOS CARAGOS DE TARACOS CARAGOS CARAGOS DE TARACOS CARAGOS CARAGOS DE TARACOS CARAGOS CARAGOS CARAC	ELABO SUDVESCE reunita CLAVA HARLI FININ SEPERAN CANO COMO LE L'ELABO METANZA PARA EL	DKF-20434D1323_T1 434 (syndrym: mees) from squeris covin date DNT-2040-1923 of	WASCIULTI NO COAP LUIS TOTO SECRETS CON COME INVOCATION OF
	Top Hit Datafoase Source			H IN	Ĭ	I		H H	Ĭ.	<u> </u>									Ŧ	T E			H	H		EST_HUMAN H		EST_HUMAN P	EST HUMAN		Т	HUMAN	Т	┑	EST_HUMAN W
26	Top Hit Acession No.	11528484 NT	6.0E-80 AL163301.2	6.0E-80 AF161495.1	4		427368		6.0E-80 AF102265.1	R OFF. 90 A F240786 4			6.0E-60 AJ 135 12/. 1			-		.2		-	5.0E-80 4504292 NT		5.0E-80 AB019038.1	5.0E-80 AL163268.2	D940293 NT	4.0E-80 F25915.1	3.0E-80 AL163210.2	BF085009.1	3.0E-80 BE817465.1	A Jacob Gorde A	3.0E-80 Alusto/3.1	2.0E-80 K353Z1.1	2.0E-80 AJ444821.1	2.0E-80 AL043116.2	2.0E-80 Al923972.1
	Most Similar (Top) Hit BLAST E Vaitue	6.0E-80	6.0E-80	6.0E-80	6.0E-80	6.0E-80 U20211.1	6.0E-80	6.0E-80	6.0E-80	06.30 B	6.0F-80	200	0.05-00/	0.0E-00	5.0E-80.	5.0E-80	5.0E-80 X91647.1	5.0E-80	5.0E-80	5.0E-80	5.0E-80	5.0E-80	5.0E-80	5.0E-80	5.0E-80	4.0E-80	3.0E-80	3.0E-80	3.0E-80	100	3.05-80	2.0E-80	20E-80	2.0E-80	2.0E-80
	Expression Signal	3.06	1.56	0.94	0.47	1.55	2.43	20.37	1.64	0.40	8 41	Ę,	4.47	807	1.49	3.	0.98	221	1,92	6.37	32	1.28	<u>\$</u>	1.83	1.14	15.19	9.37	1.45	3.11		202	4.7	1.49	5.1	0.69
	ORF SEQ ID NO:	35569	35768	36125	36233	36634	37766	38054	38521					7/007	26848	26849	ì		28400	28462	28816	20008	29999	30894	35091	38088		30653							32684
	Exam SEQ ID NO:	22142	22338	22867	77772	23145	24239	24498	24024	76797	25242	2000	28874	1			14233	14483	15377	١_	<u></u>	L	17105		21668	L.	L	1_		1	J				19442
	Probe SEQ ID NO:	94.76	8373	9714	1488	10220	11289	11558	12051	70007	40504	3	12394	8	838	888	1183	1450	2360	2437	2808	4069	4068	<b>489</b>	8700	9613	218	4738	4045		88	1814	1877	2071	6374

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Top Hit Descriptor	wn49c10.x1 NCI_CGAP_Lu19 Hamo sepiens cDNA clane IMACE:2448786 3'	m80d01.s1 NCI_CGAP_Co8 Ham sepiens cDNA clone IMAGE:1080177 3'	Homo sepiens Golgi transport complex protein (90 kDa) (GTC80), mRNA	yc86f12.r1 Sceres Infert brain 1NIB Homo saplens cDNA done IMAGE:22851 6' similar to SP:K1CR_XENLA P08802 KERATIN, TYPE I CYTOSKELETAL ENDO B;	EST378343 MAGE resequences, MAGH Homo sepiens cDNA	Hamo sapiens GGT gene, exan 8	270f12.r1 Scares_testis_NHT Homo sapiens cDNA clone IMAGE:727727 6' similar to TR:G191315 G191315 ANDROGEN-DEPENDENT EXPRESSED PROTEIN.;	Homo sapiens chromosome 21 segment HS21C103	Hamo sapiens chromosome 21 unknown mRNA	rno1f12.55 NCI_CGAP_Co9 Homo saptens cDNA clone IMAGE:1076495 3' struitar to contains OFR.11 OFR repetitive element;	2838g07.r1 Scares fetal liver spleen 1NFLS Homo sepiens cDNA clone IMAGE:294972 6' similar to contains	Alu repetitive element;	601274305F1 NIH_MGC_20 Homo sapiens cDNA clane IMAGE:3615433 5	Human pro-eiphart type II collegen (COL2A1) gene exams 1-54, complete cds	Homo sapiens malate dehydrogenase 2, NAD (mitochondrial) (MDH2), nuclear gene encoding mitochondrial protein, mRNA	Homo sepiens mRNA for lipophilin B	wq25c05x1 NCI_CGAP_Kid11 Homo sepiens cDNA clone IMAGE:2472286 3"	wq25c05x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2472296 3'	Hamo sepiens protein tyrosine phosphatase, receptor type, A (PTPRA), mRNA	Hamo sapiens protein tyrostne phosphatase, receptor type, A (PTPRA), mRNA	Homo sepiens protein tyrosine phosphatase, receptor type, A (PTPRA), mrtvA	Hamo sepiens probable mannose binding C-type factin DC-SKGNK mKNA, complete cas	Homo sapiens probable mannose binding C-type lectin DC-SKGNR mRNA, complete cds	Homo sapiens mRNA for KIAA0145 protein, partial cds	Homo sepiens similar to rat myomegalin (LOC84182), mRNA	Homo sapiens similar to ret myomegalin (LOC64182), mRNA	Homo sapiens myosin, heavy polypeptide 2, skeletal muscle, adult (MYH2), mRNA	Homo sapiens meningioma (disrupted in balanced translocation) 1 (MN1), mKNA	601310531F1 NIH_MGC_44 Home saplens cDNA clone IMAGE:3832070 6	2281c08.x5 Soares fetal Jung NbHL19W Homo sapiens cDNA cione IMAGE:2385718 3
Top Hit		EST_HUMAN IN		EST_HUMAN S			EST_HUMAN C	TN .	II IN	EST HUMAN	П	HUMAN	T_HUMAN	IN IN			EST_HUMAN V	EST_HUMAN N				닏		M					П	EST_HUMAN
Top Hit Acession No.	2.0E-80 A1923972.1	2.0E-80 AA582952.1	11421930 NT		5.1	20E-80 AJ007379.1	1	1.0E-80 AL163303.2	1.0E-80 AF231920.1	4 0F-80 A1732658-1			1.0E-80 BE386815.1		6174640 NT				11421211 NT	11421211 NT	11421211 NT	1.0E-80 AF245219.1	1.0E-80 AF245219.1	D63479.2	11641276NT	11641276 NT	N 65233399 NT	11417901 NT	8.0E-81 BE394525.1	7.0E-81 AI822115.1
Most Similer (Top) Hit BLAST E Valtue	20E-80/	2.0E-80/	20E-80	20E-80 T75215.1	2.0E-80	20E-80/	20E-80	1.0E-30/	1.0E-80	1 05-80		1.0E-80 N99620.1	1.0E-80	1.0E-80 L10347.1	4 05-80	1.05-80	1.05-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	1.0E-80	8.0E-81	7.0E-81
Expression Signal	0.69	1.01	1.51	0.84	122	76.0	8.05	211	1.95	080		0.78	3.62	624	6	1.09	2.6	2.6	1.17	0.92	0.92	1.28	128	1.12	1.72	1.72	1.67	2.27	9.7	2.97
ORF SEQ ID NO:	32685	33530			35922	38530			26806			30762		32375						35437	35438	36032	36033			37504	37926	31778		33787
SEQ ID	19442	1				1		L	13859	14002		17874	1_	19163	<u>L.</u>	1.						22584	_					L		20430
Probe SEQ ID NO:	6374	1269	8802	7463	8514	19128	11216	8	8	1074		4867	940	6083	99,00	7414	7824	7824	8573	88	9048	8840	88 649	10791	11013	11013	11443	12578	11488	7464

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Table 4
Single Exon Probes Expressed in Bone Marrow

igle Exoll Flores Expressed in Corp. Indian	Top Hit Descriptor	PARATAONIE MIL MCC 18 Home seriens cDNA clone IMAGE-335/240 5	III I I I I I I I I I I I I I I I I I	601111970F1 NIH MGC 16 Hamp septents CANA clare invaced 3322840 3	Homo capiens ATP-binding cassette, sub-family A (ABCT), member 3 (ABCAA), minny	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mKNA	Homo sepiens chromosome 1p33-p34 beta-1,4-gatactosytransferase mRNA, complete cos	EST60129 Fetal lung II Homo sapiens cONA 5 end	602153668F1 NIH_MGC_83 Homo sapiens dDNA clone IMAGE:4284601 5	602153668F1 NIH MGC 83 Hamo sapiens CDNA clane IMAGE: 4284801 5	601125505F1 NIH MGC 8 Hamo sapiens CLYNA CIGNO IMPAGE: 3343450 0	Hamo sepiens mRNA for KIAAD454 protein, partial cas	Hamo sapiens mRNA for KIAA0454 protein, partial cds	Human transforming growth factor-beta (tgf-beta) mPNA, complete cos	Human transforming growft factor-beta (tgf-beta) mRNA, complete cds	Homo sepiens hypothetical protein (FLJ11045), mRNA	theoe/2.x1 NCI_CGAP_Ov23 Hamo septens a DNA clane IMAGE:2122702 3' similar to TR:085560 Q85560		Im88d02x1 NCI_CGAP_C014 Hamp sepiens dNNA dane IMAGE:3035907 3' stritler to SW;COPG_BOVIN P53620 COATOMER GAMMA SUBUNIT;	Home emises mRNA for KIAA1345 protein, partial cds	CONTROL OF THE CAR Home senies and Address of MAGE 2505289 3' similar to TR-043815 O43815	WESTING STRUCTURE CONTRACTION OF THE CONTRACTION OF	Homo septens rab3 interacting protein variant 2 mRNA, partial cds	Homo septens rab3 interacting protein variant 2 mRNA, partial cds	Homo sepiens hypothetical protein FL/20220 (FL/20220), mRNA	Homo sapiens calcium channel, voltage-dependent, L type, alpha 20deta subunit (CACNA2) mRNA	Hamo sepiens ets variant gene 1 (ETV1), mRNA	Human mRNA for amylold A4(751) protein	Human cone photoreceptor cCMIP-phosphodiesterase alphal subunit gene, exons 2 and 3	Human cone photoreceptor cGMIP-phosphodiesterase alphal subunit gene, exons 2 and 3	Homo sapiens mRNA for Death-associated protein kinase 2, complete cds	Homo sapiens ligase I, DNA, ATP-dependent (LIG1), mRNA	Homo sapiens acyt-Coenzyme A dehydrogenase family, member 8 (ACAD8), mRNA	Homo sapiens acyl-Coenzyma A denydrogenase ramity, member 6 (ACAD9), mrova
	Top Hit Deterberse Source	Т	TOWER	T_HUMAN			-	HUMAN		П	L HUMAN	Į.	NT	NT.	NI I			EST_HUMAN :	H HIMAN F	Т		EST_HUMAN S	± Z								E			
	Top Hit Acession No.		1	BE256829.1 E	4501848 NT	4501848 NT	6.0E-81 AF038680.1	6.0E-81 AA360017.1				5.0E-81 AB007923.1	5.0E-81 AB007923.1			9506834 NT		4.0E-81 AI521435.1	Ţ		4.0E-61 ADUS/ 700.1	4.0E-81 AW004608.1	4.0E-81 AF283306.1	4.0E-81 AF283306.1	8923209 NT	4757893 NT	11420544 NT				Ξ	11425281 NT	11439065 NT	11439065 NT
-	Most Struller (Top) Hit BLAST E		6.0E-81 B	6.0E-81 B	6.0E-81	6.0E-81	GOE-81 A	6.0E-81	6.0E-81	6.0E-81	5.0E-81	5.0E-81 A	5.0E-81 A	5.0E-81 M60316.1	5.0E-81 M60316.1	5.0E-81		4.0E-81	4 05 84	1 2	4.UE-01 /	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81 X06989.1	4.0E-81 U20197.1	4.0E-81 U20197.1	4.0E-81	4.0E-81	4.0E-81	4.0E-81
.	Expression Signal		4.98	4.98	1.65	1.65	0.56	1.17	2.68	2.68	2.27	1.57	1.57	0.81	0.81	28.		17	90	3	4.48	080	8.	188	1:1	880	080	2	28.8	3.34	3,82	8	0.67	0.67
	ORF SEQ ID NO:		30331	30332	31329	31330	34168	36004	31768	31769	28265	35146	35147	36396	36397	38378	-	26700	2000	770	23428	28602				30815	33052		1					
ľ	SEQ ID		17441	17441	18460	18460	20782	22554	25364	26364	15240	27723	21723	22833	22833	24789		13765	1		16241	16887		17218		20457		L			1			
	Probe SEO ID NO:		4414	4414	5365	5355	7845	2898	12707	12707	8222	8755	8766	10008	10008	11908		703		8701	3186	3844	4187	4187	4419	7402	7820	S C C C C C C C C C C C C C C C C C C C	Coax	880	9584	10461	10531	10531

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Hamo sapiens vesicle trafficiting protein sec22b (SEC22B) mRNA	Homo sapiens vesicle trafficiang protein sec22b (SEC22B) mRNA	Homo sapiens calcineurin binding protein 1 (KLAA0330), mPNA	Homo sapiens calcineurin binding protein 1 (KJAA0330), mPNA	Homo sapiens beta-uraidopropionase (LOCS1733), mRNA	Homo sapiens beta-ureidopropionese (LOC51733), mRNA	Homo septens transcobetamin II; mecrocytio enemia (TCN2), mRNA	Homo saptens NF2 gene	Homo sapiens NF2 gene	Homo sepiens cullin 4A (CUL4A) mRNA, complete ods	Hamo sepiens pleiotrophin (heparin binding girowth factor 8, neurite growth-promoting factor 1) (PTN) mRNA	Homo sapiens pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1) (PTN) mRNA	601474072F1 NIH_MGC_B8 Homo sapiens cDNA clone IMAGE:3877121 5	601474072F1 NIH_MGC_68 Hamo sapiens cDNA clane IMAGE:3877121 5	hg85c01.x1 NCI_CGAP_Kd11 Hamo saplens cDNA dane INAGE:2852384 3'	Homo sepiens hypothetical protein (LOC55586), mRNA	hg85c01x1 NCI_CGAP_Kd11 Homo sapiens cDNA done IMAGE:2962394 3'	zk45h09.r1 Soares_pregnant_uterus_NbHPU Homo septens cDNA clone IMAGE:485825 5' similar to PIR:S52437 S52437 CDP-diacylghycard synthase - fruit fly;	tz45c04.y1 NCI_CGAP_Bm52 Homo sapiens cDNA clone IMAGE-2291626 5	Human accritizate hydratase (ACO2) gene, excn 3	Homo saplens polymerase (DNA directed), gamma (POLG), mRNA	Homo sapiens polymerase (DNA directed), gamma (POLG), mRNA	zr85d06.r1 Soares_NhHMPu_S1 Homo sapiens oDNA clone IMAGE:882476 6' similar to SW:PRI2_HUMAN P48843 DNA PRIMASE 58 KD SUBUNIT ;	Homo sepiens emmepeat protein NPRAP/heurgiungin (CTNND2) mRNA, pertial cds	Homo expiens arm-repeat protein NPRAP/heurojungin (CTNND2) mRNA, partial cds	602137864F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4274636 6	omo sapiens phosphodiesterase 1C, calmodulin-dependent (70kD) (PDE1C), mRNA	Homo saptens phosphodiesterase 1C, calmodulin-dependent (7040) (PDE1C), mRNA	Homo sapiens caveotin-1/-2 locus, Contig1, D7S522, genes CAV2 (exons 1, 2a, and 2b), CAV1 (exons 1 and 2)
Top Hit Databasa Source									±N	HT.			EST HUMAN		T_HUMAN		T HUMAN		EST_HUMAN				EST HUMAN	Г	LN LN	T_HUMAN			NT
Top Hit Acession No.	4759085 NT	4759085 NT	11417862 NT	11417862 NT	11417871 NT	11417871 NT	11417974 NT			3.0E-81 AF077188.1	4506280 NT	4506280 NT	20E-81 BE784636.1 E			3839	20E-81 AW6115421 E			1.0E-81 U87928.1	11432988 NT	11432968 NT	1.0E-81 AA265569.1		1.0E-81 U52351.1	1.0E-81 BF674641.1 E	420965	11420985 NT	1.0E-81 AJ133269.1
Most Smilar (Top) Hit BLAST E Vatue	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	4.0E-81	3.0E-81	3.0E-81	3.0E-81	3.0E-81	3.0E-81	20E-81	20E-81	2.0E-81	20E-81	20E-81	1.0E-81	1.0E-81	1.0E-81	1.0E-81	1.0E-81	1.0E-81	1.06.9	1.0E-81	1.0E-81	1.0E-81	1.0E-81	1.05-81
Expression Signal	3.39	3.30	3.45	3.45	1.71	1.71	3.69	10.2	10.2	1.65	6.19	6.19	2.48	2.48	0.88	0.63	2.55	3.12	9.34	3.31	3.6	3.6	0.83	3.37	3.37	1.55	0.56	0.56	128
ORF SEQ ID NO:	38010	38011	31438	31439	31753	31754	31729	27268	27267	28412	28980	28981	28828	28829	28736	34670	28735	30483	30583	38611	31409	31410	31639	32000	32010			33033	
SEQ ID	24460	24460	25853	25853	25389	25389	26472	14307	14307	15388	16062	16062	16904	15904	16828	21260	16828	17568	17696	18328	18530	18530	18676	18831	18831	L	<u> </u>	L	l i
SEO B S. O. O.	11519	11519	12200	12200	12737	12737	12878	1272	1272	2380	3004	3004	<b>28</b>	284	3787	828	13032	4543	4675	8083	5427	5427	6580	6737	5737	6289	0699	9639	6902

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Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	Homo septiens polymerese (DNA directed), gamma (POLG), mRNA	601645051F1 NIH_MGC_56 Hamo saplens cDNA clone IMAGE:3830Z28 5	601645051F1 NIH_MGC_56 Homo sapiens cDINA clone IMACE:3830228 5	801343180F1 NIH_MCC_63 Hamo septens aDNA clone IMAGE:3685483 5	ac14d08.s1 Stratagene HeLa cell s3 837216 Homo saplens cDNA clone IMAGE:856427 3° similar to SW;y836_yEAST P38126 HYPOTHETICAL 60.5 KD PROTEIN IN RPS101-RPS13 INTERGENIC	REGION.;	601577339F1 NIH_MGC_9 Hamo sapiens cDNA clone IMAGE:3838280 6	601577339F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:36382801 5	CM2-INICOG9-140400-147-e12 NIVOGS9 Homo septems cDNA	MR0-CT0008-250599-019 CT0006 Hamp septens cDNA	MR0-CT0006-250569-019 CT0006 Homo septens CDNA	RC3-UM0046-290200-011-406 UM0046 Homo sapiens d.JNA	RC3-UM0046-290200-011-e06 UM0046 Homo sepiens cUNA	601867714F1 NIH_MGC_17 Hamo saplens CDNA clone IMAGE:4110458 5	Homo saplens phorbolin (similar to apolipoprotein B miKNA editing protein) (LJ/42C18.2), miKNA	Homo sapiens HSPC288 mRNA, partial cds	Homo septens HSPC288 mRNA, partial cds	Human CRTB4 gene, partial cds	Human CRFB4 gene, partial cds	Human CRF84 gene, partial cds	Homo sapiens mRNA for KIAA1327 protein, pertiel cas	Homo sapiens glutafhione percedasse 5 (epididymal androgan-related proben) (Gr.Xb), uanscript variant 4, mBNA	Homo seniens of tremete receptor, tonotropic, kainate 1 (GRIK1) mRNA	Lowe series handholing matein H. (20481 (Fl. 20481), mRNA	FAMILY SEPTIMES HIS MICH. PROPERTY OF THE PARTY IN THE PROPERTY OF THE PROPERT	WINDOW IT THE MOST WELL AND A STATE OF THE S	AU14400 HEMBAT Hamp septens converting the lower of the land of th	BECCEOA, ST STRENGT B GALLO DERIN STIT FIGHT SEQUENCE COUNTY GALLS INVASIL SECOND SECO	Homo sapiens alpha-tubulin isotom 1 mrtVA, comprete cos	QV2+H10540-120900-362-408 H10540 Hamo sapients GDNA	QV2.HT0540-120900-362-408 H 1 00-40 Hamo sapients GUNA	Human von Willebrand factor gene, exon 9
-	Top Hit Database Source		EST_HUMAN	EST HUMAN	EST HUMAN	•	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	MT	님	¥	¥	NT.	¥	ţ				ESI HOMAN		EST HUMAN	뒫	EST HUMAN	EST_HUMAN	본
	Top Hit Acession No.	11432866 NT	1.0E-81 BE958278.1	1.0E-81 BE958278.1	1.0E-81 BE564367.1		1.0E-81 AA630784.1	1.0E-81 BE744545.1	1.0E-81 BE744546.1	1.0E-81 AW897550.1	1.0E-81 AW844986.1	1.0E-81 AW844986.1	1.0E-81 AW 798167.1	1.0E-81 AW798167.1	1.0E-81 BF204263.1	11418138 NT	1	8.0E-82 AF161408.1	J08988.1	J08988.1	U08988.1	8.0E-82 AB037748.1	A74E004	67 15001 N1	Oli Moss	BSZSSS NI	7.0E-82 BH035327.1	7.0E-82 AU144050.1	7.0E-82 AA663747.1	4.0E-82 AF081484.1	4.0E-82 BF351691.1	4.0E-82 BF351691.1	4.0E-82 M25833.1
	Most Similar (Top) Hit BLAST E Value	1.0E-81	1.0E-81	1.0E-81	1.0E-81		1.05-81	1.0E-81	1.0E-81	1.0E-81	1.0E-81	1.0E-81	1.0E-81	1.0E-81	1.0E-81	1.0E-81	8.0E-82	8.0E-82	8.0E-82 U08988.1		8.0E-82	8.0E-82	100	8.00-02	0.UE-02	8.0E-82	7.0E-82	7.05-82	7.0E-82	4.0E-82	4.0E-82	4.0E-82	4.0E-82
-	Expression Signal	7.53	7.65	7.65	4.63		1.09	3.01	3.01	1.1	2.9	2.9	6.55	6.55	2.11	4.59	96.0	2.07	2.7	14.95	1.44	1.36		1.7	0.00	0.75	253	1.8	1.75	25.07	98°0	0.89	0.50
	ORF SEQ ID NO:	34382	36637	L		<u> </u>	36878	36880	36881	37298	37905	37908	37911	37912				26031	26284	28821	26901	27483				30181			38524	27890	31632	31633	32126
Ī	Econ SEQ ID NO:	20088	23060	23060	23252		23386	23387	23387	23794	24360	24369	24373	24373	24734	25185	13133	13133	13359	13873	13943	14520					14477	15769	24926	14712	18870	18670	18941
- 1	S								10465	10874	11425	11425	11429	11420	11851	12414	5	107	88	815	88	1487	_	8	<u>\$</u>	<u>2</u>	1444	2777	12053	88	5574	5574	5851

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Single Exon Probes Expressed in Bone Marrow

Too Hit Describer		wp75s09.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2467624 3' similar to TR:O75276 075276 PKD1;	Homo explens presentlin-1 gans, excris 1 and 2	Homo septens emyloid beta (A4) precursor protein (protease nextn-II, Alzheimer disease) (APP), mRNA	RC2-BN0120-010400-013-f02 BN0120 Homo septens cDNA	Homo sepiens transforming growth factor beta-activated kinase-binding protein 1 (TAB1), michA	Homo sepiens emyloid beta (A4) precursor protein (proteasse neximil, Alzheimer diseasse) (APP), mRNA	ai23e05.s1 Scares testis NHT Homo sapiens cDNA clone 1343648 3	RC8-PT0001-190100-021-B02 PT0001 Homo septens cDNA	Homo sepiens chromosome 21 segment HS21C085	RC1-BN0005-280700-018-g04 BN0005 Hamo sapiens cDNA	Homo sapiens adenylate cyclase activating polypaptide 1 (pituitary) receptor type I (ADCYAP1R1) mRNA	Homo sepiens neurotrophic tyrosine kinase, receptor, type 2 (NTRK2) mRNA	Homo sapiens ankyrin-like with transmembrane domains 1 (ANK IM1), mKNA	Homo sapiens contactin 6 (CNTN6), mRNA	Hamo sapiens contactin 6 (CNTN6), mRNA	Homo sapiens mRNA for KIAA1077 protein, pertial cds	Homo septiens mRNA for KJAA1077 protein, pertial cds	Homo saptens contactiri 8 (CN INS), mrNA	Homo sepiens contactin 6 (CNTN6), mRNA	Homo sapiens mRNA for KIAA0999 protein, pertial cds	Homo sapiens mRNA for KIAA0999 protein, pertial cds	DKFZp434M117_r1 434 (synchym: htes3) Homo sapiens cDNA clone DKr-zp434M117 5	Homo sapiens chromosome 21 segment HS21C001	Homo sepiens DNA for amyloid precursor protein, complete cds	Human integral membrane sarine protesse Seprase mRNA, complete cos	Homo saplens glutamate receptor, tonotropic, kainate 1 (GRUK1) mRNA	Homo sapiens mRNA for KIAA1096 protein, partial cds	Homo sapiens mRNA for KIAA1098 protein, partial cds	Homo sapiens wbscr1 (WBSCR1) and wbscr5 (WBSCR5) genes, complete cds, attennativally spliced and replication factor C subunit 2 (RFC2) gene, complete cds
五 4		EST_HUMAN	П		T_HUMAN				T_HUMAN		EST_HUMAN						NT						T_HUMAN	NT	NT	N		NT	NT	M
Top Hit Acessian	g Ž	4.0E-82 Al937300.1	2	4502168 NT	3.0E-82 BE005706.1	8174702 NT	4502168 NT	3.0E-82 AA725848.1	1	3.0E-82 AL163285.2	3.0E-82 BE813232.1	4501922 NT	5453811 NT	11425206 NT	11432889 NT	32889	3.0E-82 AB029000.1	3.0E-82 AB029000.1	11432889 NT	132889	1	1		2	2.0E-82 D87675.1	2.0E-82 U76833.1	4504116 NT	2.0E-82 AB028019.1	2.0E-82 AB029019.1	-
Most Similar (Top) Hit	BLAST E Value	4.0E-82	4.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82/	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	3.0E-82	2.0E-82	2.0E-82	2.0E-82	2.0E-82	2.0E-82	2.0E-82	2.0E-82	2.0E-82	2.05-82	2.0E-82
Expression	Signal	7.32	3.69	16.34	2.78	10.4	6.11	53.62	1.01	2.61	1.95	4	2.31	2.7	0.77	0.77	3.98	3.88	1.6	1.6	1.96	1,96	2.13	0.78	1.07	99.0	1.07	90,1	1.09	321
ORFSEQ	ΘNΘ	38488		28301					27363			28038		34877		35293			38577										L	
Exon	<u>9</u>	24801	1.	13373	1_	1	1	ì	Ì	<u>.</u>	14041	15043	L	Ł_	L	L	1_	<u> </u>	L	L	L.,	L	<u>l</u>	L	L	L	L	L		
Probe	O	12025	12857	722	ğ	82	871	1062	1357	1462	191	2023	3285	8482	8902	8802	10183	10183	12108	12108	288	83	1694	288	3860	4052	4281	4588	4588	4904

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Single Exon Probes Expressed in Bone Marrow

igle Excit Flobes Expressed in Doire marrow	. The Uli Paradida		Homo sapiens tumor necrosis factor receptor superfamily, member 5 (TNFRSF5) mRNA	Hamo septens tumar necrosis factor receptor superfamity, member 5 (TNFRSF5) mranA	Hamo septens mRNA for KIAA0727 protein, partial cds	Homo sepiens FAMAA1 splice variant a (FAMAA1) mRNA, complete ods	bm21g05.x1 Scares_NFL_T_GBC_S1 Homo sapiens dDNA done IMAGE:21572/23	Homo sepiens hypothetical protein FL/20128 (FL/20128), mRNA	Homo sepiens nucleotide binding protein 1 (E.odi Minu like) (NUBI'1), mixaa	Homo sapiens stit (Drosophila) nomotog 3 (SLI 13), mrthA	Homo sapiens microrchidia (mouse) fromdiog (MORC), micror	Homo sepiens microrchidie (mouse) hamanog (MORC), mrkny	Human endogenous retrovirus-K, LTR U5 and gag gene	Human endogenous retrovirus-K, LTR U5 and gag gane	Homo sapiens feucylloystinyl eminopeptidese (LNPEP), mRNA	Homo sapiens laucylicystinyl aminopoptidase (LNPEP), mRNA	Hamo sapiens CAGF9 mRNA, partial cds	Homo sepiens CAGF9 mRNA, partial cds	zb31d10.s1 Scenes parathyroid fumor NbHPA Home septems dunn done innecessuadus s	ziorigo 9.r.1 Scenes fetal liver_spleen_1NFLS_S1 Homo sapiens cDNA clone IMAGE:428508 5	Homo sapiens SRY (sex determining region Y)-box 10 (SUX10), mrana	Homo sapiens melanoma differentiation associated protein-6 (MDA6), mRNA	60/510859F1 NIH_MGC_71 Hamo sapiens cDNA clane IMAGE:3812207 5	RC4-BT0310-110300-015-10 BT0310 Homo sepiens a.J.N.A.	Homo sepiens mRNA for KIAA0538 protein, partial cds	Hamo sapiens mRNA for KIAA1417 protein, partial ods	Homo sapiens mRNA for KlAAUGGZ protein, period cas	UHHBW1-acaf-03-0-U.st NG_CCAP_Sub/ Hamo septens duny dans Invigerations	Homo saplens chromosome 21 segment HSZ10309	602150403F1 NIH_MGC_81 Hamo sepiens CDNA clane IMAGE: 4281301 3	601117160F1 NIH_MGC_16 Hamo sepiens cDNA clane IMAGE:335/734 5	601273346F1 NIH_MGC_Z0 Hamo sapiens aDNA clare IMAGE:3514362 5	za48f12.s1 Soares fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:2858623 3	QV4-LT0016-271299-068-h11 LT0016 Homo septems cDNA	not 2not st NCI_CGAP_Phet Homo sepiens cDNA done IMAGE:1100497 3' similar to conterns Alurepetitive element,
XOII FIODES E	Top Hit	Source			NT	NT	EST_HUMAN						NT	NT			M	NT		EST_HUMAN	Ā	NT	EST_HUMAN	EST HUMAN	M	Z,		EST_HUMAN	Ā	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN
Single	Too Hit Acesston	Q.	4507580 NT	4507580 NT	2.0E-82 AB018270.1	20E-82 AF234882.1	2.0E-82 AH78428.1	8823130 NT	11431845 NT	11321570 NT	7857340 NT	7657340	708032.1	708032.1	11417191 NT	11417191 NT	2.0E-82 U80736.1	2.0E-82 U80738.1	2.0E-82 N94950.1	2.0E-82 AA011278.1	11418097 NT	11545921 NT	1.0E-82 BEB85108.1	1.0E-82 BE064388.1	1.0E-82 AB011110.2	1.0E-82 AB037838.1	1.0E-82 AB014562.1	1.0E-82 BF515938.1	1.0E-82 AL163209.2	9.0E-83 BF672220.1	9.0E-83 BE253347.1	8.0E-83 BE383973.1	8.0E-83 N66951.1	7.0E-83 AW385529.1	7.0E-83 AA584655.1
	Most Similar		20E-82	20E-82	2.0E-82/	20E-82/	2.0E-82/	20E-82	20E-82	20E-82	20E-82	2.0E-82	2.0E-82 Y08032.1	2.0E-82 Y08032.1	20E-82	2.0E-82	2.015-82	2.05-82	2.0E-82	2.05-82	2.05-82	1.05-82	1.015-82	1.0E-82	1.0E-82	1.0E-82	1.0E-82	1.0E-82	1.0E-82	9.0E-83	8.0E-83	8.0E-83			
	Fymassion	Signal	1.53	1.53	3.46	4.99	0.88	0.89	0.48	1.94	0.47	0.47	1.86	1.08	3.85	3.95	2.31	2.31	19.	4.39	1.58	127	1.09	2.11	1.07	1.09	95.0	1.24	1.87	4.87	0.62	1.55		98.0	1.82
	OBFISE	D NO:	31002	31003	31583	32610		34440	34973	35038	35402	35403	36884			38086	38140					28574		27286			36403		37681	L	L	L			
	E CO	SEO D No :	18127	18127	18843	18371	26004	21041	21557	21616	21983	21983	23390	23390	24538	24638	24575	L		25403					_	22260	22838			L	L	┸	L	L	
	Probe	SEQ ID	5117	5117	35.5	6829	7945	8104	8580	8648	2108	9017	10468	10468	11600	11600	11638	11638	12221	12760	13064	8	1213	1280	1201	9294	10011	10606	11097	9085	10637	1412	189	1350	2876

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Top Hit Descriptor	rp87c07.s1 NCI_CGAP_Thy1 Homo saplens cDNA clone IMAGE:1133292 similar to contains THR.t2 THR repetitive element;	q73e08.x1 Scares_testis_NHT Homo sepiens cDNA clone IMAGE:1755682 31	ot64g05.st Soares_testis_NHT Harrio septens aDNA alone IMAGE:1621662.3' straitar to TR:062614 Q92614 MYELOBLAST KIAA0218. ;	ot84g05.s1 Soares_testis_NHT Homo sepiens cDNA clone IMAGE:1621562.3' similar to TR:082614 Q92614 MYELOBLAST KIAA0216.;	za48f12.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:295823 31	RC6-ET0046-280600-013-H12 ET0046 Homo septems cONA	Homo sepiens sal (Drosophila)-like 1 (SALL1), mRNA	Homo sapiens chromosome 21 segment HS21C002	Homo saplans hematopoletic progention cell antigen CL34 predutsor (CL34) mixture, parual cus	Homo sapiens ankyrin repeat-containing protein ASB-2 (LOC51878), mrthA	Homo sapiens ankyrin repeat-containing protein ASB-2 (LOC616/6), mrKNA	Human carcinoembyonic anigen gene family member 18 (CGM18) gene, exons A1 and B1	Homo sapiens myosin, heavy polypeptide 4, skeletal muscle (MYH4), mrdva	Homo sapiens mycsin, heavy polypeptide 4, skeletal muscle (MYH4), mixNA	Homo septens membrane protein CH1 (CH1), mRNA	801507482F1 NIH_MGC_71 Home saplens CUNA clone IMACE:3909088 5	Homo sapiens F-box protein FbRsb (FBL3B) mRNA, partial ods	601822090F1 NIH_MGC_75 Homo sapiens CDNA clone IMAGE:4042318 5	Homo sapiens mRNA for brain ryanodine receptor, complete cos	Homo sapiens mRNA for brain ryanodine receptor, complete cos	Rattus norvegicus densin-160 miXNA, complete cas	Homo sapiens protein kinase CK2 catalytic subunit apria gene, extri 1	Homo sapiens protein Idnase CK2 catalytic subunit alpha gene, each 1	Homo saplens phosphorylase kinase, gamma 1 (muscae) (PHKG1) mixNA	Homo sapiens phosphorylase kinase, gamma 1 (muscle) (PHKG1) miKNA	601811127F1 NIH_MGC_48 Homo sapiens CDNA clone IMAGE:4053894 5	Human neural cell adhesion molecule (N-CAM) secreted isoform mrtNA, 3' end	Human neural cell adhasion molacula (N-CAM) secreted isoform mitting, 3' end	AU117669 HEWBA1 Homo septens CDNA clone HEMBA1001910 5	UHHF-BNO-emd-h-07-0-ULTI NIH MGC 50 Home septens guink dame immusit successor	Homo sapiens KlAAU985 protein (KlAAU965), mrkva
Top Hit Defabase Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN														T_HUMAN	N	Ä	N <sub>T</sub>	Z	Z.	K		EST_HUMAN	NT	M	EST_HUMAN	EST_HUMAN	¥
Top Hit Acession No.	3.0E-83 AA632854.1		_			1.1	11430834 NT		AF202879.1	7706398 NT	T/06398 NT	108879.1	11024711 NT	11024711 NT	11428081 NT	2.0E-83 BE885401.1	2.0E-83 AF129533.1	2.0E-83 BF105097.1	2.0E-83 AB001025.1	5.1			2.0E-83 AF011920.1	5453881 NT	6453881 NT	2.0E-83 BF128748.1	2.0E-83 M22094.1	2.0E-83 M22094.1	2.0E-83 AU117859.1	2.0E-83 AW 505600.1	11436448 NT
Most Similar (Top) Hit BLASTE Value	3.0E-83 A	3.0E-83 A	2.0E-83 A	20E-83 A	2.0E-83 N66951.1	2.0E-83 B	2.0E-83	2.0E-83		2.0E-83	2.0E-83	2.0E-83 U09879.1	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83/	2.0E-83	2.0E-83	2.0E-83 /	2.0E-83 U66707.1	2.0E-83/	2.0E-83	2.0E-83	2.0E-83	2.05-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83	2.0E-83
Expression Signal	1.82	0.72	89.1	198	3.01	1.36	2.14	0.87	9.78	80.8	6.03	0.94	1.09	1.09	95.0	14	5.47	0.52	0.55	0.55	1.46	2.5	2.5	0.48	0.46	643	2.53		1.2		3.48
ORF SEQ ID NO:			27834						30272	30580	30591	31319	31584	31585	32224	32369		34438	34551	34552	34702	35045	35046	36342	36343		36795	36796	36895	36966	37681
SEQ ID	15780	19786	14843	14843	14968	15924	16336	16829	17390	17702	17702	18448			19031			21039	L		21288	L	21625		_	1_	L.		<u></u>		Ш
Probe SEQ iD NO:	884	02/30	4846	484	1942	2864	3282	3788	4363	<u>₩</u>	<b>4689</b>	8383	3547	5547	6945	80708	7669	8103	8175	8175	8319	8657	8857	9952	8952	10242	10394	18394	10475	10549	11195

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Table 4
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	Top Hit Descriptor	DKFZp547,1135_r1 547 (synonym: htbr1) Hamo sepiens aDNA alane DKFZp547,1135 5	DKFZp5471135_r1 547 (synanym: hfbrt) Homo sepiens cDNA clane DKFZp5471135 5	Homo sapiens gene for AF-8, complete cds	Homo sapiens hydroxyacył-Coenzyma A dehydroganasa3-ketoacył-Coenzyma A thiolasa/encyl-Coenzyma A hydratasa (tritunctional protein), beta subunit (HADHB) mRNA	Homo sapiens hydraxyacyt-Coanzyma A dehydrogenasa?3-tetbacyt-Coanzyma A thiolasse/enoyt-Coanzyma A hydratase (trifunctional protein), beta sufurnit (HADHB) mRNA	Homo sepiens lipopolysaccharide-binding protein (LBP) mRNA, complete cds	Homo sapiens lipopolysaccharide-binding protein (LBP) mRNA, complete cds	601507370F1 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:3908754 5	Hamo sepiens cell recognition malecule Caspr2 (KIAA0868), mRNA	Rattus norvegicus brain specific contactin-binding protein CBP90 mRNA, partial cds	H.sepiens gene for mitochondrial dodecencyl-CoA delta-isomenase, exon 3	ov89to8x1 Sogres_testis_NHT Hamo sepiens cDNA clone IMAGE:1645431 3' similar to gb:M84241 QM PROTEIN (HUMAN);	801676023F1 NIH_MGC_21 Homo sapiens cDNA clone IMAGE:3958853 5	RC2-FN0119-200600-011-g05 FN0119 Hamo septems aDNA	RC2-FN0119-200600-011-g05 FN0119 Homo septens cDNA	ge88a03.s1 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:971020 3'	DKFZp434H0322_11 434 (synonym: https:3) Homo saplems cDNA clone DKFZp434H0322 6	ela7g03.s1 Soeres_NFL_T_GBC_S1 Homo septens cDNA clone IMAGE:1460500 3' skriifer to gb:M14338 VITAMIN K-DEPENDENT PROTEIN S PRECURSOR (HUMAN);	Homo sepiens acetyl LDL receptor; SREC=scavenger receptor expressed by endothelial oetis (SREC), mRNA	Home sapiens acetyl LDL receptor, SREC=scavenger receptor expressed by endothelial cells (SREC), mRNA	PM0-LT0019-190600-004-F02 LT0019 Homo sepiens cDNA	Hamo sapiens pre-mRNA splicing factor (PRP16) mRNA, complete cds	PM4-FT0054-160600-004-e10 FT0054 Homo sapiens cDNA	EST86094 Testis I Homo sapiens cDNA 6 end	Hamo sapiens chramosame 3 subtelamento region	2439607.11 Strategene hNT neuron (#837233) Homo septens cDNA clone IMAGE:632100 6' similar to TR:G483915 G483915 RETROTRANSPOSABLE L1 ELEMENT LRE2 FROM CHROMOSOME 1Q. ;
-	Top Hit Databesse Source	П	EST_HUMAN D	H				H	EST_HUMAN 6		NT IN	H IN	EST HUMAN P	П	EST_HUMAN R		EST_HUMAN   A	EST_HUMAN D	EST HUMAN V			T HUMAN	Ť	EST HUMAN P	_	NT	EST_HUMAN T
	Top Hit Acesslon No.	1		2.0E-83 AB011399.1	4504326 NT	4504328 NT	1.0E-83 AF105067.1	1	.1	7882349 NT	1.0E-83 AF063768.1	1.0E-83 Z258221	1.0E-83 AI027614.1	7.0E-84 BE901209.1	Γ	6.0E-84 BE838864.1	<b>-</b>	8.0E-84 AL042863.2	G.0E-84 AA897339.1	11426718 NT	11428718 NT	1		6.0E-84 BE770199.1		5.0E-84 AF109718.1	5.0E-84 AA167678.1
	Most Similar (Top) Hit BLAST E Value	20E-83	2.0E-83	2.0E-83	1.0E-83	1.05-83	1.0E-83	1.0E-83	1.0E-83	1.0E-83	1.0E-83	1.0E-83	1.05-83	7.0E-84	6.0E-84	6.0E-84	6.0E-84	6.0E-84	8.0E-84	6.0E-84	28.70.8	8.0E-84	6.0E-84	6.0E-84	5.0E-84	5.0E-84	5.0E-84
	Expression Signal	1.84	1.84	4.91	92.1	- 28	0.93	0.83	1.16	99.0	3.33	2.31	8	3.98	4.11	4.11	5.78	1.9	98	100	9	3.35	080	205	0.81	1.54	0.49
	ORF SEQ ID NO:	37749			27414						29830		ŀ	29758	27284		٠		31682						L		32634
	SEO ID NO:	24224	24224	25429	14443	14443	14488	14486	15682	18253	16922	17302	19907	16850	14333	14333	15414	18328	<u> </u>		L	L	L	L.		1_	L
	Probe SEQ ID NO:	11272	11272	12802	1410	1410	453	453	2885	3188	3882	4273	7589	3830	1208	1288	2407	831	9899	6743	2	7744	188	8408	715	3027	6227

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	Top Hit Descriptor	Hamo sepiens regulatory factor X, 3 (Influences HLA class II expression) (RFX3), mRNA	Hamo saplens mRNA for KIAA1131 protein, partial cds	Homo sapiens mRNA for KIAA1131 protein, partial cds	WB78c04.x1 Scenes_NR_T_GBC_S1 Homo septiens cDNA clone IMAGE:2302086 3' similar to . SW:NRDC_HUMAN 043847 NARDILYSIN PRECURSOR;	Homo sapiens polymerase (DNA-directed), alpha (70kD) (POLA2), mRNA	Hamo septems myosin light chein kinase Isafarm 2 (MLCK) mRNA, complete cds	Hamo sapiens multidrug resistance protein (MRP), exan 13	Hamo septens protein tyrosine phosphatase, receptor type, G (PTPRG), mRNA	Homo sepiens protein tyrosine phosphatase, receptor type, G (PTPKG), mktNA	Hamo septions histone deacetylase 3 (HDAC3) gene, complete ads	Homo sepiens KIAA0783 gene product (KIAA0783), mRNA	Homo septems discs, targe (Drosophila) homotog 2 (chapsyn-110) (DLG2) mRNA	Homo septens discs, large (Drosophila) homolog 2 (chapsyn-110) (DLG2) mRNA	Homo sapiens mRNA for KIAA1130 protein, partial cds	Homo eapiens Bach1 protein homolog mRNA, pertial cds	Homo sapiens chondroitin suffate proteoglycan 2 (versican) (CSPG2) mRNA	Homo sapiens pericentriolar material 1 (PCM1) mRNA	Novel human mRNA containing Zinc finger C2H2 type domains	Homo septens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	companies and instantion referencialists marginary marginal (XLRS1) mRNA, complete cds	THE PROPERTY OF THE PROPERTY O	WIZZOZOST SOBRES L'HOMBITARE CANOL TRITLE REPORTE CANOL CATE INTOCENTION OF THE CONTROL OF THE C	CM1-BT0795-190600-272-b08 BT0795 Homo sepiens cDNA	CM1-BT0796-190600-272-b08 BT0795 Homo septens cDNA	Homo sapiens myelin transcription factor 1-tilo (MYT1-1) mRNA, complete cds	H.saplens DNA for endogenous retroviral like element	UI-H-BI4-ad-a-02-0-UI,s1 NCI_CGAP_Sub8 Homo septens cONA clone IMAGE:3084963 3'	UIH-1814-ed-e-02-0-UI.s1 NCI_CGAP_Sub8 Homo sapiens cDNA clone IMAGE:3084983 3'	yr56e11.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:2083243'	qm87c09.x1 NCL_CGAP_Lu5 Homo septens cDNA ctone IMAGE::1895728 3'	Homo sapiens chromosome 21 segment HS210004	Homo sepiens chromosome 21 segment MSZ1CJU4
	Top Hit Database Source		TI LE	T L	EST HUMAN ST			H		_					H				N IN	1		Z	EST HUMAN 9		EST_HUMAN C	T.	F	EST_HUMAN L	EST_HUMAN L	EST_HUMAN	T HUMAN		뉟
•	Top Hit Acession No.	11428740 NT	6.0E-84 AB032957.1			4.0E-84 4505628 NT	~	4.0E-84 AF022835.1	11386168 NT	11386168 NT	AF059650.1	11421326 NT	4557528 NT	4567528 NT	4.0E-84 AB032956.1	3.0E-84 AF028200.1	4758081 NT	3.0E-84 5453855 NT				3.0E-84 AF014438.1	3.0E-84 Al983801.1	_	+	-		2.0E-84 BF511575.1	2.0E-84 BF611575.1	2.0E-84 H63370.1	2.0E-84 AI298674.1	2,0E-84 AL.183204.2	2.0E-84 AL163204.2
	Most Similar (Top) Hit BLAST E Vafue	5.05-84	6.0E-84	5.0E-84/	4.0E-84/	4.0E-84	4.0E-84	4.0E-84	4.0E-84	4.0E-84	4.0E-84	4.0E-84	4.0E-84	4.0E-84	4.0E-84	3.0E-84	3.0E-84	3.0E-84	3.0E-84	į	3.05-04	3.05-84	3.0E-84	2.0E-84	2.0E-84	2.0E-84	2.0E-84	2.0E-84	2.0E-84	2.0E-84	2.0E-84	2,0E-84	2.0E-84
	Expression Signal	2.08	220	228	188	0.89	2.19	0.53	1.28	1.28	1.89	12.53	0.9	6.0	5.34	1.92	595	124	3.11		01.1	6.28	172	5.68	5.68	7.98	1.35	98.0	0.88	0.88	1.62	0.56	0.68
	ORF SEQ ID NO:	38334	38437	38438			30892	31183	31902	31903	32714	34239	L									29715		28153			L		L		L	35121	35122
	Exan SEQ ID NO:	24753	24843		<u> </u>	18002	18003	18440	18738	18738	19467	20852	82222	82222	<u>.</u>	<u> </u>		14998	15044	1	┚	- - - - - - - - - - - - - - - - - - -	24170		L		1_	1		L			Ш
	Probe SEQ ID NO:	11871	11964	11984	4409	4087	4088	5335	5642	5842	6330	2002	3382	8282	11283	316	1157	1877	2024		288 288	3762	11228	2115	2115	2064	2973	5604	5604	6783	8392	8728	8728

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Top Hit Descriptor	AU120280 HEMBB1 Homo sapiens cDNA clone HEMBB1000339 5	yn48e11.r1 Soeres infant brein 1NIB Hamo sepiens aDNA clane IMAGE:51383 5' similiar to SP:APOH_RAT P26844 BETA-2-GLYCOPROTEIN I ;	nae30a02.x1 Lupski_sympathetic_trunk Homo sapiens cDNA clone IMAGE:4080251 3' similar to TR:QBUGS3 QBUGS3 DJ756023.1 ;	nae30a02.x1 Lupski_sympathetic_trunk Homo sapiens cDNA cione IMAGE:4090251 3' similiar to TR:QBUGS3 QQUGS3 DJ756G23.1 ;	Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds	Homo sepiens tyrosine 3-monoceygenase/byptophan 5-monoceygenase activation protein, <b>zeta polypopäde</b> (YWHAZ) mRNA	Homo sepiens complement component 5 (C5), mRNA	em85511.s1 Strategene schizo brain S11 Homo sapiens cDNA clone IMAGE:1628885 3"	601308006F1 NIH_MGC_44 Hamo sapiens cDNA clane IMAGE:3628257 5	Homo sapiens pericentrioler material 1 (PCM1), mRNA	mrt2806.s1 NCL_CGAP_SS1 Hamo septems cDNA clone IMAGE:1239106 3'	Homo sapiens 959 to config between AML1 and CBR1 on chromosome 21q22, segment 1/3	DKFZp434N0323_r1 434 (synonym: htse3) Homo sapiens cDNA clone DKFZp434N0323 5	DKFZp434N0323_r1 434 (synonym: https3) Hamo sepiems cDNA clone DKrZp434N0323 b	Hamo sepiens 959 to contig between AML1 and CBR1 on chromosome 21q22, segment 1/3	Homo sapiens speckle-type POZ protein (SPOP), mRNA	utarine water channel=28 kda erytirocyte integral membrane protein homdog [human, utarus, mRNA, 1340 mt	Novel human gane mapping to chamosome 13	Novel human gene mapping to chomosome 13	Novel human gene mapping to chamasame 13	Homo sapiens polymerase (DNA directed), alpha (POLA), mRNA	Homo sapiens NGFLA binding protein 1 (ERG1 binding protein 1) (NAB1), mRNA	Homo septens NGFI-A binding protein 1 (ERG1 binding protein 1) (NAB1), mRNA	Homo sapiens nuclear transport factor 2 (placental protain 15) (PP15) mRNA	Hamo sepiens Ca2+-binding protein CABP3 (CABP3) gene, exan 6 and partial cds	Homo sepiens ubiquitin specific protesse 13 (isopeptidase T-3) (USP13) mRNA	Homo sapiens ubiquitin specific protesse 13 (isopeptidase 1-3) (USP13) mRNA	Novel human gene mapping to chamosame 13	Homo sapiens purmergic receptor P.ZX-tire 1, orphan receptor (P.ZXVL.1), mixwy
Top Hitt Databerse Source	EST_HUMAN	EST HUMAN		EST HUMAN	П			EST_HUMAN	EST_HUMAN		EST_HUMAN			EST_HUMAN	NT		NI.		NT	NT	NT	K	NT.	NT	NT	NT	M	뉟	N.
Top Hit Acessian	20E-84 AU120280.1	122841.1	2.0E-84 BF448000.1	_	1	4607962 NT	11427631 NT	1.0E-84 AA984379.1	1.0E-84 BE392137.1	11427197 NT	1.0E-84 AA720851.1	1	1.0E-84 AL043314.2	1.0E-84 AL043314.2	1.0E-84 AJ229041.1	11434422 NT	378482.1	7.	_	1.0E-84 AL049784.1	8393994 NT	11430846 NT	11430846 NT	5031984 NT	1.0E-84 AF224511.1	4507848 NT	4507848 NT	AL049784.1	11417812 NT
Most Similar (Top) Hit BLAST E Velue	20E-84 /	20E-84 H22841.1	2.0E-84	20E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84/	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1 0F-84 S78482 1	1.05-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84	1.0E-84		1.0E-84
Expression Signal	080	0.55	328	3.28	1.44	15.79	1.16	3.1	2.34	1.27	2.47	3.92	2.66	2.68	2.12	0.86	8	44.	1.44	2.66	4.72	0.63	2.13	2.91	0.62	2.65	2.65	2.67	2.03
ORF SEQ ID NO:	38108							27282	28106			30360	30639	30840	30360	32314				33626					36533	31285		33626	
SEQ ID	22654		<b>1</b>	L	1	l	13783	14331	15087	L	16806	17472	17748	17748	17472					ı	ı	L	1		<u></u>	L	18337		26128
Probe SEQ ID NO:	505	10080	12445	12445	312	-88	2	128	88	2233	3784	4448	4728	4728	4949	6028	770	200	7064	7314	7708	7814	7859	888	10128	10150	10150	12121	12324

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Single Exon Probes Expressed in Done marrow	ORF SEQ Expression (Top) Hit Top Hit Acession Databases ID No: Signal Value	25201 31825 2.32 1.0E-84 11418185 NT Homo sepiens acanitase 2, mitochandrial (ACO2), mRNA	0,1	27090 2.24 9.0E-85 U51432.1 NT	221 8.0E-85 U51432.1	27596 131 9.0E-85 M33282.1 NT	77587 1.31 9.0E-85[M33282.1 INT	27895 2.95 9.0E-86 7657020 NT	30188 1.11 9.0E-85 AL163280.2 NT	30821 1.05 9.0E-85 5901979 NT	30855 1 9.0E-85 AL163268.2  NT	27132 13.33 7.0E-85 [105094.1 NT		38200	38210 2.51 6.0E-85 11438573 NT	28371 1.67 5.0E-85 AL163284.2 NT	31560 1.37 5.0E-85 BF035674.1 EST_HUMAN	18825 31561 1.37 5.0E-85 BF035674.1 EST HUMAN 601458846F1 NIH MGC 66 Homo sapiens CLINA CICIE INVACE: 3002402.0	뉟	32576 1.42 4.0E-85 BF677910.1	32577 1.42 4.0E-85 BF677910.1  EST_HUMAN	EST_HUMAN	23857 1.35 4.0E-85 BE079283.1 EST_HUMAN   RC1-B10823-12020-011-007 B10023 Homes Saprens CLANA	EST_HUMAN	27301 1.02 3.0E-85 AF086157.1 NT	27808 3.9 3.0E-85 T97495.1 EST_HUMAN	30842 1.37 3.0E-85 11024695 NT	30843 1.37 3.0E-85 · 11024695 NT	0.65 3.0E-85 114	32511 0.68 3.0E-85 11422024 NT	19330 32560 5.69 3.0E-85 7682309[N1   India sapida S. Arrento S. Barre House, (No. 1950), 11112 1
	Exam SEQ ID NO:			L		L	1	1_	1_	L		<u> </u>			l		1	<u>L</u>	<u> </u>				<u>L</u>				_				
	Probe SEQ ID NO:	12436	200	8 22	4074	10/4	1584	1881	4280	4913	4950	1138	11958	11745	11745	240	5526	5528	13030	6277	6271	7013	10937	12375	1302	1785	4935	4935	6476	6204	6257

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Single Exon Probes Expressed in Borre Marrow	Top Hit Descriptor	Hamo sapiens KIAA0783 gene product (KIAA0788), mRNA	Homo septens mRNA for dyneth heavy chain (DNAH9 gene)	Homo sapiens GTP ase regulator associated with the focal adhesion kinase pp125(FAK); KIAA0621 pr (KIAA0621), mRNA	Homo sapiens DENN mRNA, complete cds	Homo sapiens CGI-81 protein (LOC61108), mRNA	Hamo saplens phospholipese C, epsilon (PLCE), mRNA	Homo sapiens small nuclear ribonucleoprotein polypeptide B" (SNRPB2), mRNA	Homo sapiens smell nuclear ribonucleoprotein polypeptide B" (SNRPB2), mKNA	Homo saplens phospholipid scramblase mRNA, complete cds	Homo sapiens EGF-like repeats and discoldin Hike domains 3 (EDIL3), miTNA	Homo sepiens Ran GTPese activeting protein 1 (RANGAP1), mRNA	Homo sapiens KIAA0929 protein Miss2 Interacting nuclear target (MINT) fromotog (KIAA0929), mRNA	Homo seplens intersectin 2 (SH3D1B) mRNA, complete cds	Horno saplens apolipoprotein C-II (APOC2) mPNA	Homo sapiens apolipoprotein C-II (APOC2) mRNA	Human DNA polymerase beta gene, exons 12 and 13	Homo sepiens similar to rat integral membrane ghooprotein POM121 (POM121L1), mRNA	Human Ku (p70/p60) subunit mRNA, complete cds	Homo sapiens plasminogen (PLG) mRNA	Homo sapiens chromosome 21 segment HS210084	Homo saplens arginase, Ilver (ARG1) mRNA	wig7h08.x1 NCI_CGAP_Kid12 Homo sapiens cDNA clone IMAGE:2398431 3' similer to contains eten MSR1 repositive element :	wd48d03.x1 Sceres_NFL_T_GBC_S1 Homo septens cDNA clone IMAGE:2331461 3'	wm94d12.x1 NCI_CGAP_Ut2 Homo sapiens cDNA clone IMAGE:2443607 3"	601591416F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3845818 5	601462817F1 NIH_MGC_67 Homo sapiens cDNA clone IMAGE:3868021 5	601462817F1 NIH_MGC_67 Homo sepiens CDNA clone IMAGE:3868021 6"	MRO-BT0284-221189-002-f03 BT0284 Homo septens cDNA	601109738F1 NIH MGC 16 Hamo septems dDNA done IMAGE:3360563 6	RC1-ST0198-081099-011-d05 ST0196 Homo saplens cDNA	245003.s1 Soares_fetal_liver_spieen_1NFLS_51 Homo saptents CLNA Come INACE. 455245 5
xon Probes E	Top Hit Detriberse Source	H	NT.	Į,	N.	K	NT	M	Ŋ	NT	NT	NT	. IN	NT	NT	NT	NT	NT	NT	NT	NT	NT	PST HEIMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN
Single	Top Hit Acession No.	T062309	1404468.1	11416870 NT	44853.1	11525829 NT	11430889 NT	11421422 NT	1422	AF098642.1	5031660 NT	11418177 NT	7657288 NT		2.0E-85 5174775 NT	6174776 NT	10525.1	7657468 NT	30938.	4505880 NT	2.0E-85 AL163284.2	4502212 NT	2 OE 85 AIZENBON 1	2 0F-85 Al914459.1	2 DE-R5 AIBBR384 1	BE794306.1	BE618392.1	1.0E-85 BE618392.1	BE062951.1	BE257917.1	1.0E-85 AW813525.1	AA778785.1
	Most Similar (Top) Hit BLAST E Vatue	3.0E-85	3.0E-85 A.	3.05-85	3.0€-85 ∪	3.0E-85	3.0E-85	3.0E-85	3.0E-85	3.05-85	3.0E-85	3.0E-85	2.0E-85	20E-85	2.0E-85	2.05-85	2.0E-85 U	2.0E-85	2.0E-85 N	2.0E-85	2.0E-85	2.0E-85	20.00	2 OF-85	2 OF 85	1.0E-85.B	1.0E-85.B	1.0E-85	1.0E-85 B	1.0E-85 B	1.0E-85	1.0E-85
	Expression Signal	6.69	7.73	880	18	1.06	3.37	1.03	1.03	1.16	1.72	2.14	0.87	2.52	8.40	8.40	1.8	14.69	1.16	4.83	98'0	137	280	700	1.84	251	8.6	9.6	0.52	241	0.53	201
	ORF SEQ ID NO:	32581		33040	34584			l	36273	37268			26970		27424	27425	78277		28011		30864	31064					76766					37745
	SEO EN	19330	20116	20586	L		22294	22818	22818	23769		1	1	14087			L		<u>.                                    </u>		L	L		$\perp$			L	1	1	1_		24221
	Probe SEQ ID NO:	6257	740	7626	Š	8883	888	88	1988	10849	11834	12919	8	Ş	1418	1418	2230	2834	3035	4361	4948	5178	8	2000	1000	2205	2682	2403	808	10140	10571	11269

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	BMA IMACEMEDINE OF	245f03.s1 Soares fetal fiver spleen 1NFLS S1 Homb septems curve come investments of the company	801897003F7 NIH MGC_19 Home saparas canno ratio invasionations	601897003H7 NITH MIGC. 19 mains agreems control management of the management of the control mana	ISOBOTATI NCI COMP. Britan mander 4 (KIAARSA) mRNA	HOMO Septems Calcareaum Denumy process 1 (100-0000), milkon	Homo expirens cardinaling protein in (Norways), in the contraction of	601120/7671 NITI MIGG ZO TOURS explains CONTROL (INTERNAL WINES OF CONTROL OF	Homo septems similar to COVED property in the september 1 (CVD)=1) mRNA	Harto Saprieris Cymericanie 1 1904, educaria) iii. ; projectica (1905) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SOCIOS 31 COLIES DELEGIOUS MILIO INC. IN COLIES CONTROL CONTRO	gestue, at Source paramyrous united from expects which was the control of the con	Home sapiens tumer endeanella marker / precursor (TEAN), muses	Home sapiens tumor endotretal mander / predurati (TEMI), hinden semien (TEXARDA), mand	Homo septens I ext (numen I -con reunamente vuo yye i) muning process (numen i -con con con con con con con con con con	Homo saplens galactocerecrostoase (GALC) gare, extrinity	Homo sapiens RAN briding protein / (KANDEY), IIIRANA	Homo sapiens DiGeorge syndrome omora region gotte o (Lycycky), inty by	Homo sepiens cognitarate dehydrogenass (tipoemide) (Octuri) micror	601072594F1 NIH MGC 12 Hamo saprats dury dure invocations of	601176865F1 NIH MGC_11 Home septems Convacation with CE-2469830 S	6010/2694-1 NIH MGC 12 Harra septents Clink Carle IMAGE-2871719 3'	ANTONIO LITE LICENS CONTRACTOR CONTRACTOR ST	AV (2528 III DI IMIN September CONA clare IMAGE 3911303 5	OLIDOGO INILIA MONTO TA Homo comismo chine IMAGE 3811303 6	OUTDESCORT NIT MOST THAN SEVEN CONTRACTOR WAS 2713	MISBUZXI NG COMP TIZO India agreement of the state of CRESTORS	AVESTICES SINCTION SQUARES CONTROLLED STATES TO STATES STA	(801302333FT NIH MGC AT HOME SEPTEND COLOR COLOR IN COLOR CO	EST177222 Jurkeit 1-cells VI months agreems county to thin	Homo sapiens chromosome za sagment nozarovog	yz (bace, r) Soares, mumpe, scarcas, zvunimos, mum saparas con care, marchine	Human enogeneus revenue, universe generile 	Home septems minner for the new 1277 percent, percent of the perce	
Top Hit Database Source			П	T	HUMAN			HUMAN			П	EST HUMAN	¥	Ę	N <sub>T</sub>	NT	NT	M	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	ES! HOMBN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	¥	EST HUMAN	Ę	Į.	ESI HOMAN
Top Hit Acession No.				1.0E-85 BF311552.1		11417862 NT	13882	9.0E-86 BEZ74217.1	11424140 NT	88		7.0E-86 AA860801.1	9966896 NT	9966888 NT	1421737		5453997 NT	11528307 NT	4505482 NT	4.0E-86 BE547173.1	4.0E-86 BE295843.1	4.0E-86 BE547173.1	3.0E-86 AW340946.1	3.0E-86 AV722329.1	3.0E-86 BE888479.1	3.0E-86 BE888479.1	3.0E-86 AI659240.1	3.0E-86 AV600469.1	3.0E-86 BE410354.1	2.0E-86 AA306264.1	20E-86 AL163203.2	2.0E-86 N58977.1	9635487 NT	2.0E-86 AB033103.1	2.0E-86 AW966142.1
Most Similar (Top) Hit I	Value	1.0E-85 A	1.0E-85	1.0E-85	1.0E-85 A	1.0E-85	1.0E-85	9.0E-86	8.0E-86	8.0E-86	7.0E-98 /	7.0E-96/	7.0E-86	7.0E-86	7.0E-86	7.0E-86 L38557.1	7.0E-86	7.0E-86	6.0E-86	4.0E-86	4.0E-86	4.0E-86	3.0E-86	3.0E-86	3.0E-86	3.0E-86	3.0E-86	3.0E-86	3.0E-86	_					
Expression Signal	)	2.01	2.46	2.46	2.37	3.47	3.37	12.78	1.27	1.57	0.83	0.83	0.85	0.85	6.12	4.12	1.49	1.67	3.20	1.75	10.80	2.44	6.64	1.12	3.26	3.26	5.6	1.56	1.35	1.63	2.72	2.88	254		1.47
ORF SEQ		37746	37816	37817	38633	31780	31780		32552	38477	26839	28940	32631	32632	31246			36522			32465		31944		36885	36696	37437	38312		28286	!   	277189			58383
Econ SEQ ID	Ö	24224	24282	24292	24937	25289	25289	14459	19322	24881	13989	_	L				1_		1	L	L	1_	18772	21573	23503	23503	23919		L	L	L	1_	15216	15290	3 16474
Probe SEQ ID	ö Ž	11260	11342	11342	12064	12328	12583	1426	6249	12004	88	88	6320	8320	7160	9808	10058	10118	1287	242	6151	11572	2877	8605	10581	10581	11784	11842	12295	8	414	1184	ž	7777	3428

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Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Homo sepiens lysophosphatidic acid acylinansfenase-detta (LPAAT-detta) mRNA, complete cds	Homo sapiens head rosphatidic acid acytnansferase-detta (LPAAT-detta) mRNA, complete ods	HARTONS XT NCT CGAP GOS Hamo sapiens CDNA clane IMAGE-2916542 3"	University of NAD consistent of the Control of the	Carrie September Specific production of the Carrier	H. septems miran encount procedures c	H.sepiens mRNA encoding phospholipase c	Homo sepiera similar to ectoruciectide pyrophosphatase/phosphodestorase 3 (Tr. septems) (LOCCOST 14), mRNA	Humen Chediak-Higashi syndrome protein short Isoform (LYST) mRNA, complete cos	Hamo sapiens chramosome 21 segment HS21C027	Homo sepiens butyrobecaine (gemms), 2-cocchabaratia diocygenasse (gemma-butyrobecame nyoroxyasse) (BBOX), mRNA	Homo sapiens butyrobetaine (gamma), 2-cogtutarate dioxygenase (gamma-butyrobetaine hydroxylase)	(BBCA), IIINA	Homo expients prospinations of ambases 1 (*LOCATA II) III (*COEST) TONIA	Hamo sepiens chromosome segregation 1 (yeast normong) we (work), intrans-	Homo sepiens basic-helix-toop-helix-PAS protein (NITASS), minna	Homo sapiens basio-hebr-toop-hebr-t-AS grotein (MrASS), mrawa	Home sapiens mYNA for KAA1411 present, perus cos	Homo sapiens thyroid eutoentigen 70kD (Ku entigen) (52271), mixwy	Homo sapiens gene for Ah-6, complete cas	Home septens NADH denydrogenase (ubqurrane) ress protein i (1340) (innut rough) is something (INDUFS1) mRNA	Homo sapiens fibulin 5 (FBLN5) mRNA	Human gamma-glutamyl transpeptidase mRNA, complete cds	Hamo sapiens chranosane 21 segment HS21 C009	Hamo sepiens chranosame 21 sepment HS21C009	Homo sapiens hypothetical protein (LOC51318), mRNA	Homo sapiens hypothetical protein (LOC51318), mRNA	Homo sapiens chromosome 21 segment HS21C100	Homo saplens synaptigenin 1 (SYNJ1), mRNA	Hamo septens chramosame 21 segment HS210084	qb77c09.x1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE:1706128 3' similiar to SW-K1C_J_MOUSE P02535 KERATIN, TYPE I CYTOSKELETAL 10;
Top Hit Database Source		Ę	EST LIMAN		Į.	Ę	M	¥	Į	Į.			E I	5	N.	¥	ŊĮ.	片	M	Į.	¥	Ę	NT.	N	노	F	Ę	Z	F	¥	EST_HUMAN
Top Hit Acession D	2 0F-88 AF156778.1		,		Ţ			11419429 NT		77	11437135INT		11437135 NT	10863876 NT	11422084	11545846 NT	45846	2.0E-86 AB037832.1	118180	2.0E-86 AB011399.1	1828855 NT	5463649INT	l l	1.0E-86 AL163209.2	1.0E-86 AL163209.2	T706161	7706161 NT	1.0E-86 AL163300.2	4507334 NT	1.0E-88 AL163284.2	9.0E-87 AI150703.1
Most Similar (Top) H世 BLAST E	2 OF -88 A	V 90 30 C	200 DO 0	ZUE-001	2.0E-86	2.0E-86 Z16411.1	2.0E-86 Z16411.1	2.0E-88	2.0E-86 U84744.1	2.0E-86/	2.0E-86		2.0E-86	2.0E-86	2.0E-86	2.0E-86	2.0E-86	2.0E-86	2.0E-86	2.0E-86	1 05-88	1 0E-88	1.0E-88 L20492.1	1.0E-86	1.0E-86/	1.0E-86	1.0E-86	1.0E-86	1.0E-86	1.0E-88	9.0E-87
Expression Signal	255		873	3.01	3.3	1.53	1.53	0.81	0.77	0.53	24.0		2.44	1.48	2,12	2.88	2.88	1.63	282	6.37	4.20	160	261	2.18	2.18	19	10	5.58	1.12	44.	1.78
ORF SEQ ID NO:	200744		21/82		30745	32267	32258	33314	34728		95342	1_	35313		36080				31750		27800					1					
SEO ES	7	3	200	17106	17845	19057	18067	62896	24342	21828	2001	7	21888		22828	_	L	L			<u> </u>		L.,		L			1_			1
Probe SEQ ID NO:		80/0	3/38	4070	4828	5972	58972	-	25		8	388	88	25.5	8873	10814	10814	10869	12732	12801	3	3478	3249	200	3307	308	3000	4202	ARSA	5632	6430

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Top Hit Descriptor	Homo sapiens a disintegrin and metalloproteinase domain 22 (ADAM22), mRNA	Homo sapiens a disintegrin and metalloproteinase domain 22 (ADAW22), mRNA	O.cuniculus mRNA for elongation factor 1 alpha	7n85f02.x1 NCI CGAP Co18 Homo sapiens cDNA clone IMAGE:3322779 3'	7NB5R02 X1 NCI CGAP CO16 Hamo saplens cDNA clane IMAGE:3322779 3'	WR0-NT0039-020500-004-411 NT0039 Homo sepiens cDNA	11.3.4.Tme19.080700-198-D10 HT0619 Homo septens cDNA	II SHITDZRO2-160600-103-406 HT0702 Homo saplens cDNA	CHIEF AS A MOSTO A 434 (Secondary Heart) Home company of the DNA close DKFZb434N0323 5	UNITED SET 19 19 19 19 19 19 19 19 19 19 19 19 19	UNI-ZDAGAMUSZO III 454 (Ojimiji) III 1055) I Imiji Sagama Cara Marani 148057 3	OCCENTION IN THE SECOND SECOND IN THE SECOND	Human mRNA from chromosome 15 gene with nomology to with C-1LA-30-1 introll A	Human mRNA from chromosome 15 gene with homology to MHC-HLA-SB-1 miron A	Homo sapiens hormonally upregulated neu tumor-essociated kinase (HUNN), mixiva	Homo sepiens mRNA for KIAA1081 protein, partial cds	ANSW (CO) (Section () (Authorogous plants) and bed and the section () () () () ()	HOTO SEPRETS STILLS SO OF LEE INVESTOR (HI) THE CONTROL OF THE CON	EST96094 Testis I Hamo sepiens CulvA o end	EST86094 Tests I Hamo saptens oUNA 5 end	Homo sepiens chromosome 21 segment HS210310	Homo sapiens mRNA for KIAA1414 protein, partial cds	Homo septens mRNA for KIAA0466 protein, pertrai cots	Homo sapiens myekod/fymphoid or mbad-lineage leukemia (tifthorax (Drosophila) homoog), transiooaasa us, * (MLT4) mRNA	Homo saplans small inducible cylckine subfamily A (Cys-Cys), member 16 (SCYA16) mRNA	Homo septems small inducible cytolotne subfamily A (Cys-Cys), member 16 (SCYA18) mRNA	ETS-RELATED PROTEIN 71 (ETS TRANSLOCATION VARIANT 2)	Human transcription factor NFATx3 mRNA, complete cds	TCBAP1E4051 Pediatric pre-B cell acute lymphoblastic laukemia Beykor HGSC project=TCBA Homo saptems	II. CALLE VIA TOTA TOTAL (VIA A 1072) mDNA	Hand Sapiens Niva 1072 Journal (Nova 1072), Illinois	Hamo septens NAVIOLE protein (NAVIOLE), minus	Hamo septers indem (1504) yend, edul 10	Hamp separate number of process (17) in the separate of the se
Top Hit Delaberse Source				T HIJMAN	HIMAN	MAN	Т	COT LINAN	T	HUMAN	EST_HUMAN	EST HUMAN	NT	NT	NT	NT		. 1	EST HUMAN	EST_HUMAN	IN	N	NT	¥	¥	Ę	SWISSPROT	Ę	1 1	ESI HOMAN	Z	뉟	뉟	<u> </u>
Top Hit Acession	4757721 NT	4757721 NT		-	T	1		1	7.0E-8/ BE/12961.1	T		.1			T867243 NT	6.0E-87 AB029004.1		11432444 NT	5.0E-87 AA382811.1	5.0E-87 AA382811.1	4.0E-87 AL163210.2	4.0E-87 AB037835.1	4.0E-87 AB007925.1	6174674 NT	TN 57053 NT	TN 570973	000324	4 nF-87   185429-1		4.0E-87 BE247284.1	11425281 NT	11425291 NT	4.0E-87 L48524.1	4.0E-87 AF223470.1
Most Similar (Top) Hit BLAST E Veltue	9.0E-87	0.05.87	8 0F-87 X82245-1	7 05 97	705-07	7.05-07	7.05-07	/.0E-8/	7.05-8/12	7.0E-87	7.0E-87	7.0E-87	7.0E-87 K03002.1	7.0E-87 K03002.1	6.0E-87	6.0E-87		6.0E-87	5.0E-87	5.0E-87	4.0E-87	4.0E-87	4.0E-87	4.05-87	4.0F-87	4 OF-87	4 OF 87							
Expression Signal	1,73	2	80 08	20.44	37.0	3.11	5.5	2.50	0.86	3.41	3.41	0.48	10.09	10.09	0.73	1.84		6.13	1.88	2	860							200		4.54				0.47
ORF SEQ ID NO:	34004									36837	36838		37708						27157											3 32469	34264	34265	7 34383	22896
Eggn SEQ ID NO:	20830		ZUGSS	Т			- [	21489	21132	23353	23363	25703	L.	24190	L	1_		24041	14204	L	L	L		1	L	$\perp$		┸	10802	18238	20875	30875	20987	
Probe SEQ ID	Š		8 8	3	ĎŽ.	28	88 88	8834	8808	10431	10431	<u>\$</u>	11237	11237	35.00	1929		11079	1162	12585	298	1178	20.65		2007			ğ	*	9183	7883	7983	8050	9583

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Top Hit Descriptor Top Hit Descriptor		Human von Wiltebrand factor pseudogene corresponding to exone 23 through 34	Homo sapiens calcineum binding protein 1 (KIAA0330), mRNA	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Hamo sapiens purinergio receptor P2X-like 1, orphen receptor (P2RXL1), mRNA	Homo sapiens high-mobility group (northistone chromosomal) protein 4 (HMG4) mRNA	QV0-BN0148-050600-254-e03 BN0148 Hamo saplens cDNA	AU116885 HEMBA1 Hamo sepiens dDNA dane HEMBA1000807 6	CMO-TN0038-150900-552-N08 TN0038 Homo saplens cDNA	RC5-HT0580-200300-031-G04 HT0580 Homo sapiens cDNA	601569041F1 NIH_MGC_21 Home septens oDNA clone IMAGE:3843730 5	601569041F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3848730 5	601341383F1 NIH_MGC_63 Hamo septems cDNA clane IMAGE:3683348 6	yv21e07.r1 Sources fetal liver spleen 1NRLS Hamo sapiens cDNA clane IMAGE:243396 5	AV654143 GLC Hamo septens cDNA clane GLCDSG043"	601176032F1 NIH_MGC_17 Homo septens cDNA clone IMAGE:3531511 5	Homo septens hect domain and RLD 2 (HERC2), mRNA	yv21e07.r1 Soeres fetel liver spieen 1NRLS Homo sapiens dDNA done IMAGE 243396 6	y/2/1e07.r1 Soares fetal liver spieen 1NFLS Homo septens cDNA clone IMAGE:243396 5	Human cyclophilin gene for cyclophilin (EC 5.2.1.8)	801278315F1 NIH_MGC_39 Homo septens dDNA clone IMAGE:3810639 5	Homo sepiens putative glycolipid transfer protein (LOC51054), mRNA	Humen mRNA for T-cell cyclophilin	Homo sepiens neuredn III (NRXN3) mRNA	Rettus navegicus tasta bud receptor protein TB 641 (TB 641) gene, compitate cas	Homo sepiens growth factor receptor-bound protein 10 (GRB10) gene, exon 8	Hamo sapiens growth factor receptor-bound protein 10 (GRB10) gene, exon 8	Home septens corticotropin-releasing factor type 1 receptor gene, exon 8	Homo sapiens corticotropin-releasing factor type 1 receptor gene, exon 8	Homo sapiens IQ modif containing GTPesse activating protein 1 (IQGAP1) mRNA	Homo saplans protein kinase C, beta 1 (PRKCB1), mRNA	Homo sapiens IQ motif containing GTP ase activating protein 1 (IQGAP1) mRNA	Homo saplens solute cerrier family 22 (organic cation transporter), member 1-like (SLC22A11.), mRNA	Homo sapiens tracheal epithelium enriched protein (PLUNC) gene, complete cds
Top Hit Defabase	Source	LN L	FN	NT.	IN	M	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST HUMAN	NT	EST_HUMAN	EST_HUMAN	IN	EST_HUMAN	NT	FN	IN	NT	NT	NT	IN.	IN	Ë	F	אַן	NT	Į.
	ğ	A60676.1	11417862 NT	11417862 NT	11417812 NT	4885420 NT	2.0E-87 BF327920.1	2.0E-87 AU116935.1	2.0E-87 BF376311.1	2.0E-87 BE175478.1	2.0E-87 BE734190.1	2.0E-87 BE734190.1	2.0E-87 BE567193.1	448128.1	2.0E-87 AV854143.1	2.0E-87 BE294432.1	11433046 NT	448128.1	448128.1	(52851.1	2.0E-87 BE531136.1	7705683 NT	1.0E-87 Y00052.1	4758827 NT	1.0E-87 U50949.1	1.0E-87 AF073371.1	1.0E-87 AP073371.1	1.0E-87 AF039517.1	1.0E-87 AF039517.1	TN 98786 NT	11431590 NT	4506786 NT	4505528 NT	1.0E-87 AF214562.1
Most Similar (Top) Hit	BLAST E.	4.0E-87 M60676.1	4.0E-87	4.0E-87	4.0E-87	20E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87	2.0E-87 N48128.1	2.0E-87	2.0E-87	2.0E-87	2.0E-87 N48128.1	2.0E-87 N48128.1	2.0E-87 X52851.1	2.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87	1.0E-87
5	er Constant	5.12	1.47	1.47	3.11	4.73	0.79	6.0	1.64	99.0	8.67	8.67	3.73	1.12	0.84	1.31	180	37.21	36.03	13.21	5.58	3.74	4.15	2.03	1.88	<u>2</u>	<u>2</u>	0.84	28.0	<u>8</u> .1	1.17	. 0.85	0.64	11.12
ORF SEQ	Ö Ö O	37894	31428	31429		28796		29745	30856	30800	32020	32021		33205	33495	33700	33757	34008	34284	35130			228577	29700	31042			33704	33705					34837
E CONTROLLEGE	Ö	24443	25839	25839	25444	15779	16017	16838	17968	18013	18838	18838	18525	19910	20172	20349	20403	20844	20892	24708	23070	15818	16766	L	18162	19421	L		20353			1_	L	
Probe	ÿ	11600	12878	12678	12825	2787	8828	3798	4851	4998	5744	5744	8480	6857	89. 84.68	23.0	7438	7888	785	8738	10144	1186	3723	3746	5152	6352	8352	7383	7383	7389	7828	7783	8908	8453

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	Top Hit Descriptor	Homo sepiens mRNA for alpha2,3-sialytransferese ST3Gal VI, complete ods	Homo septens mRNA for alpha2,3-stalytransferase ST3Gal VI, comptee cos	RC8-BN0278-050700-012-E02 BN0278 Hamo sapiens cDNA	RC8-EN0278-050700-012-E02 BN0278 Homo sapiens cDNA	Human L-plastin mRNA, 5' end	Homo sepiens hect damain and RLD 2 (HERC2), mRNA	Homo sapiens sulfotransferase-related protein (SULTX3), mRNA	Homo sepiens double stranded RNA activated protein kinase (PKK) gene, expn 12	Homo sapiens mRNA for KIAA 1399 protein, partial cds	Homo sapiens mRNA for KIAA1389 protein, pertial cds	Homo sapiens DKFZP58GP1522 protein (DKFZP588P1522), mrova	Homo sapiens chronosome 21 segment HS210309	H.sapiens ECE-1 gane (exam 9)	H.sepiens ECE-1 gene (exxn 9)	Homo sapiens DNA, DLEC1 to ORCTL4 gene region, section 1/2 (DLEC1, ORCTL3, ORCTL4 genes,	complete cds)	Homo sapiens X-linkad amhidraibe ectodarmal dyspassa protein gene (ELDA), extri z en la marrar protein. Regions	Home sepiens KIAA0063 gene product (KIAA0063), mRNA	CATACOTTIC CALL CALL TAD Exerce Home seriors ADNA ribras KG719 6 similar to ZINC	KB/19F HURBI 1988 1984, LM BANG EATHERS THEIR SEPTICES WAS TO BE SOLD THE FINGER PROTEIN HZF1	Homo sapiens intersectin short Isoform (ITSN) mRNA, complete cds	Homo saptens intersectin short isoform (ITSN) mRNA, complete ods	Homo saplens intersectin short isoform (ITSN) mRNA, complete cds	wd68h08x1 NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:2336789 3' similar to contains Atu	repetitive element contains element MERKZ MERKZ repetitive evenent,	ymodb10,71 Soares infant brain 1NIIS Home separes guryn Gares iwynol,347 1.29 o	Homo sepiens chronosome 21 segment HSZI CU84	602154958F1 NIH_MGC_83 Homo sapiens cDNA dane IMAGE:42357755	Homo sapiens KIAA0063 gane product (KIAA0063), mRNA	PMH-TN0028-050900-004-f10 TN0028 Hamo sepiens cDNA	PMH-TN0028-050900-004-f10 TN0028 Hamo septens cDNA	602149762F1 NIH_MGC_81 Homo saplens cDNA done IMAGE:4230975 5	Homo sepiens transforming grown ractor, petertrauceu, oxic, (1010), ilitario
	Top Hit Detabese Source	NT	אַל	EST HUMAN	EST_HUMAN	NT				IN			NT	N.	노		K	5	5		EST_HUMAN	NT NT	¥	Ę			EST_HUMAN	F	EST_HUMAN	F	EST HUMAN	EST_HUMAN	EST HUMAN	¥
26	Top Hit Acession No.	1.0E-87 AB022918.1	1	1.0E-87 BE818183.1	1.		5729867 NT	7857832 NT	9.0E-88 AF167485.1	9.0E-88 AB037820.1	9.0E-88 AB037820.1	7881701 NT	9.0E-88 AL 163209.2		Ø1929.1		9.0E-88 AB026898.1	8 AE 98 AEMORES 4	7994997 NT	1001001	6.0E-88 N89399.1	5.0E-88 AF114488.1	5.0E-88 AF114488.1	6.0E-88 AF114488.1		5.0E-88 Al693217.1	5.0E-88 H10932.1	5.0E-88 AL163284.2		1887	4.0E-88 BF091229.1	4.0E-88 BF091229.1	4.0E-88 BF670714.1	11416585 NT
	Most Similar (Top) Hit BLAST E Velve	1.0E-87	1.0E-87	1.0E-87	1.0E-87 BE8183	1.0E-87 M34426.1	1.0E-87	1.0E-87	9.0E-88	9.0E-88	9.0E-88	9.0E-88	9.0E-88	9.0E-88 X91929.1	9.0E-88 XD1929.1		9.0E-88	80 30 8	0.00	3.UE-90	5.0E-88	5.0E-88	5.0E-88	6.0E-88		6.0E-88	88-⊒0'9	5.0E-88	5.0E-88	5.0E-88	4.0E-88			4.0E-88
	Expression Signal	76.0	0.97	8.68	8.88	3.11	5.7	1.46	6.48	2.58	2.56	1.14	860	327	827		~	0	80.0	1.13	5.42	0.94	0.77	0.77		276	3.32	244	0.57	1.73	1.49	1.49	0.81	1.35
	ORF SEQ ID NO:	35655	35656	36384					27.102				29801	30207	30208		30831		17/06		28669		28002	1			33481				27338			38775
	Escan SEQ ID NO:	22228	22228	22918	22918	23661	24045	25978	14152	14386	14386	15147	16685		L		18051	ŀ	ł	14871	15644			1.	1	16449	L.	١.	L	L		L	1_	20420
	Probe SEQ ID NO:	8260	0928	666	à	40730	1084	12875	1108	1351	1351	2130	3842	7200	4308		5038		8375	1845	2647	\$913	3023	8		3400	6836	8281	8880	42/45	4383	4382	5185	7454

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		Homo saplens KIAA0152 gene product (KIAA0152), mRNA	Homo sapiens KIAA0162 gene product (KIAA0162), mRNA	Homo sapiens hypothetical protein FLI21634 (FLI21634), mRNA	Homo saplens zinc finger protein 259 (ZNF259) mRNA		Homo sapiens a disintegrin and metall coroteinase domain 23 (ADAMZ3) mXNA	Homo saptens a dishibigin and metallichrotethase domain 23 (ADAM23) mirrors	Homo sapiens hypothetical protein PL/20220 (FL/20220), mRNA	Hamo sepiens valoain-containing protein (VCP), mHVA	Hamo saptens polycythemia rubra vera 1; cell surface receptor (PKV1), mrVvA	Homo sapiens vral simian leukemia viral oncogene homolog A (ras reseed) (RALA), mirarA	Hamo septens interleukin 13 (IL13), mRNA	Homo sapiens activator of S phase kinase (ASK), mKNA	Homo sepiens activator of S phase kinase (ASK), mittina	Homo seplens putative anion transporter 1 mRNA, complete cos	Homo sapiens retinoblastoma-chriting protein 2 (MBBP2), mrdNA	Homo sapiens growth differentiation factor 5 (cartilage-derived morphogenetic protein-1) (GDF5), mRNA	Home sapiens malybdenum catactor biosynthesis protein A end mayadenum cotactur biosynthesis protein minna. minna mayadenum catactor biosynthesis protein minna mayadenum cotactur biosynthesis protein minna mayadenum catactor biosynthesis protein minna mayadenum catactor biosynthesis protein mayadenum catactor biosynthesis pro	Hamo sapiens wets arian erythroblastosis virus E26 oncogene related (ERG), mKNA	Homo sepiens mRNA for RALDH2-T, complete cds	Homo sapiens mRNA for RALDH2-T, complete ods	Homo sapiens acy-Coenzyme A dehydrogenese family, memoer 8 (ACAUS), move	Homo sepiens cubilin (ritinisic tector-cobalemin receptor) (Cubin) minum	Homo sapiens transcobalamin II; macrocyto anemia (TCNX), mrww	Homo saplens Calsertlin, presertlin-binding protein, Er nand transcription nation (COLIV), market	Homo sepiens SNARE protein kinase SNAK mRNA, complete cos	Homo sepiens SNARE protein kinese SNAK mRNA, complete cds		WAN ULH-BIT-BEB-4-04-0-ULST NCI CGAP Sub3 Harro septens CLNA clare INA CE-27187503	T	HOMO SAPICITIS NIAMALA I / MININGO CUO	HOMO SECRETS NIMMENT I HILVERY, WHIPPERS WAS
	Top 抽 Database Source	Ę	Ę	Ę	¥	EST_HUMAN	¥	攴	N.	N	NT.	M	M	IN	NT.	M	Z	늏	¥	Į	IN	NT	Ę	¥	Ę	W	M	NT	토	EST HUMAN	EST HUMAN	<u>ا</u>	E
28	Top Hit Acession No.	7661947 NT	7661947 NT	11545800 NT	4508020 NT	3.0E-88 N66951.1	4501912 NT	4501912 NT	11429300 NT	11428567 NT	TN 8888888 NT	11420697 NT	11417370 NT	11418210 NT	11419210 NT	AF279265.1	11436400 NT	11421728 NT	AF034374.1	11526262 NT		3.0E-88 AB015228.1	11439065 NT	4557502 NT	11417974 NT	7305198 NT	2.0E-88 AF246219.1	AF246219.1	5031686 NT	1.0E-88 AW139565.1	1.0E-88 AW139565.1	1.0E-88 AB007877.1	AB007877.1
	Most Similar (Top) Hit BLAST E Value	4.0E-88	4.0E-88	3.05-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	3.0E-88	2.0E-88	2.0E-88	2.0E-88	2.0E-88	1.0E-88	1.0E-88	1.0E-88	1.0E-88
-	Expression Signal .	3.12	3.12	0.85	1.78	251	80.0	86.0	3.64	245	4.05	3.62	96.0	0.77	0.77	15.04	6.35	10.99	138	214	0.74	0.74	0.89	3.65	7.12	79.10	1.86	4.07	1.86	5.17	6.17	23.82	23.82
	ORF SEQ ID NO:	38282	38283	28731		28944	30175	30176		31350	31830	32063	32563	32877	32878	33302	34114									Z7033							33142
	SEQ ID NO:	24701	2473	13704	14858	16016	1	17288	1	18477	18761	18881	18357	258622	25682	20002	20741		1		23213	23213	١	<u> </u>		<u> </u>	L	L	_	١.	19099		19856
	Probe SEO ID NO:	11818	48	2 8	8	E Q	4288	4200	200	6372	2000	98/6	9828	6583	6563	7267	1388	8283	87.8	9780	10288	10288	10316	12086	12421	1037	1628	1785	4455	6016	6016	6802	6802

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Table 4
Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	wq70e12.x1 NCI_CGAP_GC8 Hamo sapiens cDNA dane IMAGE:2476606 3	as54ef1.s1 NCI CGAP_GCB1 Homo septens cDNA clone IMAGE:824732.3' similar to WP:B02/22	CE00851;	Homo sapiens Recq helicase 5 (KEUUS) gene, augmanye spiro proposal, wrightee was	2987c02.rf Stratagene HeLa cell s3 937216 Home septens culvA done twa-c=02/170 3 stilled w sw-poy 4 ht man p40268 RETROVIRUS-RELATED POL POLYPROTEIN;	Tricing and the Community of the Communi	CALLO A MICH COAD GOS Home seniers contactors (MAGE:1612766 3' striller to gb:M16342	HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEINS C1/C2 (HUMAN);	Hamo sapiens chromosome 21 segment HSZ1 CV46	Homo saptens transgetin 2 (1 Ata. N2), mixing	601142409F1 NIH_MGC_14 Homo eaplens cDNA clone IMAGE:3500160 5	Homo septiens similar to sema domain, immunoglobulin domain (ig), short besto comain, secreted,	(semaphorn) 3A (H. Saprets) (LOCOS232), IIIN V.	Hano septens harmanally upregulated neu united associated threes (HUNK) mRNA	Home septens homorally upregulated that unital accompand on the company of the co	Home sapiens complement companient o, bear polypepture (No.) in the NETA 34F246 5'	DKFZp434E246_T 434 (synonym: mess) nome express construction	H.sapiens CAYS gene, compacts CAS	H.saplens CLN3 gene, complete CLN3	Horno sapients plesun 3 (1 Bottonii) (7 L.23), iii s. 3.	Homo septems pressin 3 (1 recordin) (1 LOS), his very	Home sentence KTA A0423 protein (KIAA0433), mRNA	Thomas semisors KIA AAA43 trochein (KIAAA433), mRNA	Trulia september to the property of the part of the pa	It aminon Ward his name	n.sapirate vi en l'im gant.	II. Sayona World Burner 11	HOMO SEQUENS HINTON ION NATIONAL POST OF THE SECOND IN THE	HOTTO SEPTEMBER THEN WAS IN TAKEN OF THE CO.	Homo septions time membrane proced, times body homoly (DRDA) mRNA	Homo sapiers semiedrificational minese in a file 3 (minese).	Homo saptens unquiut conjugating archite Ltd. 3 (UBEA.3) mRNA	
	Top Hit Database Source	EST HUMAN		EST_HUMAN	LN L	1444	ESI HUMAN	ESI HOMAN	EST_HUMAN	L	M	EST HUMAN		7	¥	¥	¥	EST_HUMAN	노	NT	¥	LN	E L	Z	Z	ž!	Ž	Z	노	Į.	Ę	¥	E L	2
	Top Hit Acession No.			1.0E-88 AA488981.1				1.0E-88 AL043314.2			11421238 NT	R 0F-89 BE311557.1		11421514 NT	7857213 NT	7657213	4557390 NT	7.0E-89 AL045748.1	(99832.1	(99832.1	7549808 NT	7549808 NT	11420754 NT	11417118INI	11417118 NI	J02923.1	XB2048.1	XB2048.1	7.0E-89 AB020630.1	7.0E-89 AB020630.1	5803114 NT	4508124 NT	TN 887788 NT	4507/88/N
-	Most Similar (Top) Hit BLAST E Vatue	4 NE-88 AIGRORG 4		1.0E-88	1.0E-88 A		1.0E-88 A	1.0E-88	1.0E-88 A	1.0E-88	9.0E-89	R OF -89 B		8.0E-89	7.0E-89	7.0E-89	7.0E-89	7.0E-89	7.0E-89 X99832.1	7.0E-89 X39832.1	7.0E-89	7.0E-89		7.0E-89	7.0E-89		7.0E-89 XB2048.1	i	7.0E-89		6,0E-89	68-30'9		6.0E-89
	Expression Signal	18	1	3.91	0.47		1.89	273	3.86	9.	3.66	72,		1.21	1.21	1.21	2.95	4.02	122	122	0.77	77.0						125	1.11	1.11	1,23	1.17		0.89
	ORF SEQ ID NO:		1	33711				36327	37449		\$7778	l		33356												35212		7 37325	3 37347					7 28465
	Exan SEQ ID NO:		SESSON SESSON	20350	2445		22801	22865			1	1		20052		L	1	_	L	L.		<u> </u>	l	21180	21180	21790	ٔ ا	73817	_	_				
	Probe SEQ ID NO:		7328	002	22.70	8	2697	8638	ŝĘ,	12840	44.20	1100	2/45	7118	\$	<b>E</b>	4619	4987	5505	5505	6477	6477	7741	824	821	8823	10897	10897	10913	10913	1025	2223	2440	24 <b>4</b>

Page 407 of 546 Table 4 Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	Homo septems mRNA for KIAA0406 protein, partial cds	Homo saplens mRNA for KIAA0408 protein, partial cds	TCBAPZE0383 Pediatric pre-B cell acute lymphoblastic laulernia Baylor-HGSC project≓1 CBA Homo sapiens cDNA cione TCBAP0383	TCBAD>Ensist Dedistric me-B cell acrin knohobiastic leukemis Bevkor+HGSC project=TCBA Homo sepiens	CONTACTORS FORMILL PIET COLL COLLEGE STRIPE CONTACTORS	QV3-NT0022-080600-219-g03 NT0022 Homo septens dDNA	EST388200 MAGE resequences, MAGN Homo saplens dDNA	ch17b08x1 Soares_NR_T_GBC_S1 Homo septems CUNA crone IMAGE:1844615 3	ywe8e11.r1 Soares_placenta_8tc9weeks_ZNbHP8tc9W Homo sepiens cDNA clone IMAGE:259148 5' similar to SW.PI4K_HUMAN P42358 PHOSPHATIDYLINOSITOL 4-KINASE ALPHA;	Homo septems PXRZb protein (PXRZb), mRNA	Homo sapiens PXR2b protein (PXR2b), mRNA	Homo sapiens PXR2b protein (PXR2b), mRNA	Homo sapiens PXR2b protein (PXR2b), mRNA	Homo sapiens mRNA for KIAA1342 protein, partial ods		998608xt Soares, NFL_T_GBC_St Homo sepiens cDNA clone IMAGE:1843022 3' similar to gb:J04131 GAMMA-QLUTAMM_TRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains Atu repetitive element;	ah70e03.s/ Sogres testis INHT Hamo septems CUNA dana 13.20909 3	ah70e03.s1 Soares testis NHT Homo sapiens CLINA Cidne 1320900 3	Homo sapiens topoisomerase-related function protein (TRT+-2) minner, per usi cue	H.saplens HCK gene for tyrosine knasse (PTK), extras 10-11	H.sepiens HCK gene for tyrosine kinase (PTK), exams 10-11	Homo sapiens chromosome 21 segment HSZ10003	Homo sepiens GGT gene, excn 5	601066688F1 NIH_MGC_10 Hamo sepiens cDNA dane IMAGE:3452423 5	Homo sepiens gane for LECT2, complete ods	Human N-ethylmalehnide-sensitive factor mRNA, partial cds	Homo sepiene chromosome 21 segment HS210085	Human GT24 (GT24) mRNA, perdal cds	Homo sepiens solute cerrier family 24 (sodium/potassitum/calcium exchanger), member 2 (SLC24A2), mRNA
	Top Hit Detabase Source	NT.	Z	EST HIMAN	T	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST HUMAN		5	5	7	¥		EST HUMAN	EST HUMAN	EST_HUMAN	M	5	MT	NT	MT	EST_HUMAN	NT	NT	NT	N	¥
-	Top Hit Acession No.	6.0E-89 AB007888.2				5.0E-89 BE244323.1	-	.1		3 0F-89 N57357.1	77066770	T/06870	T/06670 NT	2.0E-89 7708670 NT				2.0E-89 AA759149.1	1	7.1			1.2	2.0E-89 AJ007378.1	2.0E-89 BE541744.1	.1	2.0E-89 U03985.1	20E-89 AL163285.2	2.0E-89 U81004.1	11428801 NT
	Most Similar (Top) Hit BLAST E Value	8.0E-89/	6.0E-89/	00 00 2	SUE-08	5.05-89	4.0E-80	3.0E-89	3.05-89	3.05-39	20E-89	2.0E-89	2.0E-89	20E-89	ONE RO	2.0E-09	2.0E-89	2.0E-89	2.0E-89	2.0E-89	2.0E-89	20E-89	2.0E-89	2.0E-89	2.0E-89	2.0E-89	20E-89	2.0E-89	2.0E-89	2.0E-89
	Epression Signal	8.4	404	77.0	3.41	3.41	0.84	1:1	125	52	0.68	880	0.64	190	800	287	1.71	0.05	0.65	1.41	4.98	4.98	0.83	1.1	1.39	2.77	1.69	0.67	4.07	29
	ORFSEQ ID NO:	808	30574	8	OSSESS SE	30808	34164	28883		37R3R	28416	28417	26416	26417	205	7007	28867	28632	29633			L	30284			31600		L		
	Escan SEQ ID NO:	17688	477888		18121	18121		1		2444	13481	12481	13/84	43.4B4		13002	15951	16611	<u></u>	L		<u> </u>		L	_	1	L	L	L	
	Probe SEQ ID NO:	4667	4687		111	6111	7842	2888	7347	4454	121	į	4	3 8		331	2882	3565	3565	4169	4180	4180	4376	4524	5416	6658	2888	6335	783	8766

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	Top Hit Descriptor	TO DATE A. DEVE at the description	Homo sapiens partie missing for the control process	Homo septens midva for NAA1333 protein, per usi	Homo sapiens CaBP5 (CABP3) gene, exon 5	Homo sapiens CaBP5 (CABP5) gene, exon 5	Homo sapiens integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) (ITGA3), mRNA	Homo septens cell acheston motecule with homology to L.1CAM (close homologue of L1) (CHL1), mRNA	Human WAGE-7 anigen (MAGE/) pseudogene, comprese cus	hristopsyl NCL CCAP Katti Hamo septens althy claim introcess to smilled a filter of the control soliute carrier Family 22 -LIKE 2 PROTEIN;	hre1d09.x1 NCL_CGAP_Kdd1 Hamb septems CLINA Gate INNICE.3134091.3 Silling to INCOMING SOLUTE CARRIER FAMILY 22 -LIKE 2 PROTEIN;	Homo sapiens chromosome 21 segment HS21C046	Homo sepiens chromosome 21 segment HS210046	Homo sapiens chromosome zn segment naznowao	Homo sapiens chighnosome 21 saginani nozivovo	7636f08.X1 N.G. CGAP, LLZ4 Hatto septens dury durie invocazazaza s	7630TUSKT NG CASAP LILES FRUID BEFORE CAN'T GOT IN COLOR	RC1-H 10386-12/400-022-500 H 10380 Hullio septents control Active MAGE:4614423'	Aparticus comes jeta irra specific to the control of the control o	Zocgious course join invention in the CACNA/E) nere exerts 7-49, and partial ods, alternatively	spliced	al63d08.s1 Soares_testis_NHT Homo sapiens cDNA clone 1375503.3	601655837R1 NIH MGC 66 Homo sapiens cDNA clone IMAGE:3800024 3	601655837R1 NIH_MGC_66 Homo septens cDNA ctone IMAGE:3853624 3	y88604.s1 Soares fetel liver spieen 1NFLS Homo saptens cDNA clone IMAGECAISIO 3 samer to SP-C1TC_HUMAN P11686 C-1-TETRAHYDROFOLATE SYNTHASE, CYTOPLASMIC;	y88604.s1 Soares fetal liver spiesn 1NFLS Homo sapiens cDNA done INACE-212190 3 smiller to SP:C1TC_HUMAN P-11586 C-1-TETRAHYDROFOLATE SYNTHASE, CYTOPLASMIC;	602071208F1 NCI_CGAP_Bm64 Homo saplens cDNA clone IMAGE:4214257 5	H.saplans ECE-1 gene (exan 6)	H.sepiens ECE-1 gene (exam 6)	
1 2020	Top Hit Databese Source			Ę	TN	ᅜ			Į.	EST_HUMAN S	EST_HUMAN					Т	Т	П	Т	EST_HUMAN	¥	T_HUMAN		EST_HUMAN	EST HUMAN	EST HUMAN	Г	П	¥	
1 2 2	Top Hit Acession No.		-	1	1	1	11434411 NT	11433673 NT		1.0E-89 BF196052.1	1.0E-89 BF198052.1	9.0E-90 AL163246.2	9.0E-90 AL163248.2	8.0E-60 AL163246.2	8.0E-90 AL163248.2	8.0E-60 BE670561.1	8.0E-90 BE670561.1	8.0E-90 BE177830.1	8.0E-90 AA705222.1	8.0E-90 AA705222.1	7.0E-90 AF223391.1		BE9625252	7.0E-90 BE9625252	7.0E-90 H68849.1	7 OF ON 1109949 4	7 NE ON RESORNA 1	6.0E-90 X91926.1	P VCHOOR 1	// Closes:
	20 + 111	Value	2.0E-89 /	205-89	2.0E-89 /	2.0E-89	20E-89	2.0E-89	2.0E-89 U10692.1	1.0E-89	1.0E-30	9.0E-90	9.0E-90	8.0E-60	8.0E-90	8.0E-90	8.0E-90	8.0E-90	8.0E-90	8.0E-90	7.0E-90	7.0E-90	7.0E-90	7.0E-90	7.05-90		L			
	Expression Signal		0.94	0.67	1.11	1.11	2.63	3.64	1.63	5.85	5.65	1.77	1.7	1.93	2.43	4.85	4.85	0.78	1.68	1.68	3.74	2.07	1.82	1.82	288	000	200	98.0	90.0	26.25
-	ORF SEQ ID NO:		35149	36065	36572			38388	38497			L	34958						37848	37849			95712			<u> </u>		37243		nenez s
	SEQ ID		21727	22812	23004	23094	24668	L	1	· .			Ŀ	Ŀ			15864		24321	24321	70867			L.	1	1		18138	1	16138
	Probe SEO ED NO:		8760	8098	43.80	10168	1734	11896	12026	11903	11003	0958	8560	198	<del>1</del>	1333	1333	9068	11374	11374	2007	18/18	9347	25.2	20,00		88	10821	986	308

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Table 4
Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	Homo sapiens hypothetical protein FLJ10388 (FLJ10388), mRNA	Hamo septens hypothetical protein FLJ10388 (FLJ10388), mRNA	Homo sapiens HsCCN1 mRNA, pertial ods	Homo sapiens HsGCN1 mRNA, partial cds	Homo sepiens Inositol 1,4,5-triphosphete receptor, type 3 (11 PK3) mrtNA	Homo septens inosital 1,4,5-triphosphate receptor, type 3 (ITPR3) mRNA	Homo sapiens TCLB gens, excn 1-10b	Human gamma-aminobutyric acid transaminase mrKNA, partial cos	998608.x1 Scares_NR_T_GBC_S1 Homo sepiens cDNA done IMAGE:1843022.3' similar to gb:J04131 GAMMA-GLUTAMM.TRANSPEPTIDASE 1 PRECURSOR (HUMAN);contains Alu repetitive element,	9996c08.x1 Sceres_NR_T_GBC_S1 Homo sepiens cDNA clone IMAGE:1843022.3' similar to gb.J04131 GAMMA-GLUTAMM-TRANSPEPTIDASE 1 PRECURSOR (HUMAN);combains Alu repositive element;	Homo sapiens Intersectin long isoform (ITSN) mRNA, complete cds	Homo sapiens pregnancy-zone protein (PZP) mRNA	Homo sapiens chromosome 21 segment HS21C001	H.sapiens mRNA encoding phospholipase c	Homo sapiens EVI5 homolog mRNA, complete cds	Homo saplens ELKS mRNA, complete cds	H. sapiens mRNA encoding phosphotpese c	Homo saplens Carbonio amydrase-related protein 10 (LOCoocos), mraws	Homo saplens Carbonic arthydrase-related protein 10 (L.C.Cocec+), mirwy	Homo sapiens angiopodem 4 (ANG4) miranA, par usi cus	Homo saplens angiopoletin 4 (ANG4) miranA, partial cus	Homo saplans adenylate cyclase 9 (ADC79) mrknA	Homo septens hypothetical protein FLJ13222 (FLJ13222), mrvvA	Homo sapiens similer to ectanucieotide pyrophosphatase/phosphodiesterase 3 (H. sapiens) (LCACAX714), mPNA	Homo septens calclum-binding transporter mRNA, pertial cds	Homo sapiens KIAA0433 protein (KIAA0433), mRNA	Homo sapiens KIAA0433 protein (KIAA0433), mRNA	Homo sepiens ATPase, aminophospholipid transporter-like, Class I, type 8A, member 2 (ATP8A2), mRNA
AG11 1000	Top Hit Database Source								N	EST_HUMAN	EST_HUMAN	NT		Ę	TN	K	Ŋ	¥	F	¥	¥	N.	Ę	뒫	5	Į	¥	Į.	¥
alguio	Top Hit Acesston No.	TN 8622298	TN 8922398			4604794 NT	4504794 NT	Ы	5.0E-90 U80228.1	6.0E-80 AI222085.1	6.0E-90 AI222095.1	5.0E-80 AF114487.1	4506354 NT	5.0E-90 AL163201.2	5.0E-90 Z16411.1	5.0E-90 AF008915.1	5.0E-90 AB015617.1	216411.1	8910365 NT	9910365 NT	5.0E-90 AF113708.1	5.0E-90 AF113708.1	4557258 NT	11346483 NT	TN 000001111	5 0F-80 AF123303.1	11417118 NT	11417118 NT	11483721 NT
	Most Smilar (Top) Hit BLAST E Veitue	6.0E-90	6.0E-90	6.0E-90 U77700.1	6.0E-90 U77700.1	· 6.0E-90	6.0E-90	5.0E-90	5.0E-90	5.0E-90	6.0E-90	5.0E-80	5.0E-90	6.0E-90	5.0E-90	5.0E-90	6.0E-90	5.0E-90	5.0E-90	5.0E-90	5.0E-90	5.0E-90	5.0E-90	5.0E-90	8	50F.80	50F-80	5.0E-90	5.0E-90
	Expression Signal	9.77	9.77	3.07	3.07	3.16	3.16	25.61	1.84	1.33	1.38	2.8	132	0.7	2.06	19.0	1.34	222	0.73	0.73	2.09	2.09	8.82	4.98	4.45	0.13	0.57	0 53	5.86
	ORF SEQ ID NO:	80.00	30165	32393	L				27.182	27860	27861		30487				32052	31939		33243	33741	33742	34138		l	2708	١		
	Esen SEQ ID NO:	17283	17283	19176	19176	21638	21638	13259	14237	14863	14863	15563	17593	17614	18767	18785	18869			19946	20390				i	2000	1	_	
	Probe SEQ ID NO:	4254	4254	6097	6097	0288	9298	88	1197	1838	188	2562	4674	4508	5672	888	2111	2880	8894	8894	7423	7423	7813	8836		1000		1	10813

Page 410 of 546 Table 4 Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Homo sepiens KIAA0317 gene product (KIAA0317), mRNA	Homo sepiens KIAA0317 gene product (KIAA0317), mfNA	Homo septiens gene for AF-6, complete cds	ar78h05.x1 Berstead aorta HPLRB6 Homo sepiens cDNA clone IMAGE: 2128761 3'	Homo sapiens chromosome 21 unknown mRNA	Hamo sapiens chromosome 21 unknown mRNA	Home seniens mussin phosphatase, teroet subunit 1 (MYPT1), mRNA	Hallo express myour procedure describer twostne kinase, 600n 16	coprairy gains are an exist areas markets are considered for fix	Hamp septens Lave for an interest southern with the control of the	Homo sapiens mikna to nukki 244 proedit, pel ual kus	Human prohomione converting enzyme (NECZ) gene, exan o	HUML12582 Human fetal lung Homo sapiens CUNA b	UI-H-BW1-amy-b-04-0-UI.s1 NCI_CGAP_Sub7 Homo septiens curve come investigations as	11-H-BW1-eny-b-04-0-Ui.s1 NCI_CGAP_Sub7 Hamo sapiens cunA dane IMAGE. 3003039 3	601335244F1 NIH MGC_39 Hamo septens cDNA clans IMAGE:3689147 5	601087378F1 NIH_MGC_10 Homo saplens cDNA clone IMAGE:3453854 5	Home septens high-mobility group (nontristane chromosomal) protein 17 (ninc 17), maruta	Homo septens high-mobility group (nonhistone chronosomal) protein 17 (HMG17), mtxNA	qc54c02.x1 Soares_placenta_8tc8weeks_2NbHP8tc8W Homo sapiens cLinA clone imAcE:1713+10 s	stratifier to SW:OLF3_MOUSE P23275 OLFACTORY RECEPTOR OR3.;	Home saplens mRNA for KIAA0289 gene, partial cds	Homo sepiens GRB2-related adaptor protein (drAP) miniva	Homo saplans RaP2 Interacting protein 8 (RPIP8), mKNA	Homo sepiens ReP2 Interacting protein 8 (RPIP8), mrdVA	ba48d05;y3 NIH_MGC_10 Hamo saptens CDNA clane IMAGE:2888831 0 similar to In:078200 073200 HYPOTHETICAL 35.5 KD PROTEIN ;		Homo sepiens similar to laminin receptor 1 (67kD), ribosomal protein SA) (H. sepiens) (LOC83484), miRNA	Homo sepiens similar to laminin receptor 1 (67/dD, ribosomal protein SA) (H. sepiens) (LOC63484), mRNA	AU118985 HEMBA1 Homo sapiens cDNA clone HEMBA1UW/185 3	AU118985 HEMBA1 Homo sapiens CONA Gone HEMBA1004783 3	Homb septens myosin, nearly purypopulas 4, swatch illustra (11) 117, 111 u.m.
Top Hitt Detabase Source				EST HUMAN 8	Т							٦	EST HUMAN		EST HUMAN		HUMAN				EST_HUMAN	Į.			8-	HUMAN	Т			T_HUMAN	LHUMAN	
Top Hit Acession No.	7662051 NT	7682051 N	5.0E-00 AB011399.1				4,0E-80 AFAS 1860.1	4505316			.1			3.0E-80 BF516168.1 ' I	1	-	1	5031748	5031748 NT		2.0E-90 AI138213.1	2.0E-90 AB008827.1	5729855 NT	11525901	11525901 NT	2 0E 00 AW672988 1	THE CHANGE	11427320 NT	11427320 NT	2.0E-90 AU118985.1	2.0E-90 AU118986.1	11024711 NT
Most Similar (Top) Hit BLAST E Value	5.0E-90	S OF BO	5.0E-00 A	A CO DO A	0.00.00	200	4.05-02	4.0E-90	4.0E-90 X99053.1	4.0E-80 D87675.1	4.0E-80 AB033070	4.0E-90 M95967.1	4.0E-90 D31124.1	3.0E-90	3.0E-90 E	3.0E-90	2.0E-90	2.0E-90	2.0E-90		2.0E-90	2.0E-00/	2.0E-90	2.0E-90	2.0E-90	205.00	707	2.0E-80	2.0E-80	2.0E-90	20E-90	2.0E-90
Expression Signal	0.67	0 87	280	8	8.5	7 2 2 2 2 2	7,87	4.74	8.84	6.15	2.4	1.86	1.75	1.72	1.72	67.58	6.41	48.4	46.4		203	1.17	822	0.57	0.57	4.3		8.23	8.23	1.27	127	5.5
ORF SEQ ID NO:	37291	COCCE	31.000						27711	00908	30751			L							29801						32138	38550	36551			
SEQ ID	23701	2	E SEE	3 3	0000	3380	13338	14132	14728	17707	17852	17873	25003	L	<u>.</u>	L	1	L.	14218		16898	L	Т.				18908	23075	23075			Ш
Probe SEQ ID NO:	10871		L/SOL	7,071	12820	302	SS SS	1688	1698	4686	4835	4856	12134	8185	8185	1984	215	1431	1177		3850	47.14	4947	5870	5870		9878	10149	10149	10319	10319	11798

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Top Hit Descriptor		Homo sepiens amyloid beta (A4) precursor protein (protesse nextrull, Abtheimer disease) (APP), mRNA	Hamo saptens chramosame 21 unknown mRNA	Homo sepiens chromosome 21 unknown mRNA	Homo sapiens mRNA for T-box transcription rector (15XX) gene, parties	Homo sepiens mRNA for T-box transcription factor (TBX20 gene), parties	Homo sapiens ALR-tive protein mitthe, partial cos	Homo sapiens ALK-tike protein mikina, paruai cas	Homo sapiens Kruppel-title factor / (utrigutotes) (KLT/), mittark	Homo saplens protein phosphatase 2A bK garrina suburit gene, exert 3	Homo capiens protein phosphatase 2A BR garrara subunit gene, exan 3	601158563F2 NIH _MGC_53 Homo sapiens GUNA crarie IMANGE 3311116 5	Homo sapiens similar to SALL1 (set (Drosophila)-like (LOCS/16/), mrona	Home sapiens chromosome 8 open reading trame 2 (C8UNT-2), mixtury	Homo sapiens mRNA for KLAA0903 protein, partial cos	Homo sapiens mRNA for KJAAUSUS protein, perusa cas	Homo sepiene soluble interleuikin 1 receptor accessory protein (IL1KAP) gene, exon 8, aremanye exuns a sed complete ode observetively entited	BILL WHIPPOR WAS GROWN THE WAS A STATE OF THE WAS A	HOMEO SEPTEMBRICATION AND AND AND AND AND AND AND AND AND AN	HOMO SEDIETS THANK I DE ALANO LE L'ALAND CALL L'ALAND CAL	Homo septens mitthe for KIAAU0033 protein, peritei cus	Homo septems KIAAUCCS game product (nurwholes), tilinam	Human retine-damed FOU-damain lactor-1 linvay, whiches was	Homo sapiens glutamate receptor, innorque, in-menty in-espatiale ZA (St. 1972)	Homo septens solute carrier tamily 1 (figh entirity esperatagualments unisportus , inclined o (2000) months and many tamily 1 (figh entirity esperatagualments of the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity esperatagualments) and the carrier tamily 1 (figh entirity especial e	Homo septens brefeldin A-thibited guanine nucleotide-exchange protein Z (BK32), mKVA	Homo sepiens SNCA isoform (SNCA) gene, complete cds, alternatively spliced	Homo sapiens CGI-15 protein (LOC51008), mRNA	Hamo sapiens CGI-15 protein (LOC51006), mRNA	H. sepiens cDNA for CREB protein	H. saplens cDNA for CREB protein	yg44d11.2 Soares infant brain 1NIB Homo sapiens CLANA Gone IMM-VE. 30477 U	HUM0005381 Liver Heptsz ceu une, namo seprens contra socia s
Ssion Top Hit Detabase	2000				NT					NT	П	T_HUMAN			NT	K	1	Ž	Ę	Ę	Ę	¥	Ę	Ę	¥	Į.	N.	F	N.	NŢ	IN	EST HUMAN	EST HUMAN
Top Hit Acessian		4502168 NT		1.0E-80 AF231920.1	1.0E-90 AJ237589.1			1.0E-80 AF264750.1	07828	1.0E-60 AF096154.1	1.0E-90 AF096154.1	1.0E-00 BE379884.1	11420514 NT	6005720 NT		1.0E-60 AB020710.1			_			11426910 NT	J91834.1	8006002 NT	11428768 NT	11422086 NT	1.0E-90 AF163884.1	11422109 NT	11422109 NT	1.0E-90 X55545.1	1.0E-90 X55546.1	1.0E-80 R25686.1	8.0E-91 D12234.1
Most Similar (Top) Hit BLAST E	Value	1.0E-90	1.0E-00 A	1.0E-80 A	1.0E-90	1.0E-80	1.0E-90 A	1.0E-90	1.0E-80	1.0E-90/	1.0E-90/	1.0E-90	1.0E-90	1.0E-80	1.0E-90/	1.05-90/		1.05-80/	1.0E-90/	1.0E-90/	1.0E-90/	1.0E-90	1.0E-90 U91834.1	1.0E-90	1.0E-80	1.05-80	1.05-90	1 0E-90	1.0E-90	1.0E-90			
Expression Signal	)	300	1.13	204	255	2,65	17.02	17.02	223	2,39	289	1.76	2.77	7.85	0.72	0.72		1.17	1.7	1.7	1.78	0.99	0.67	9.0	268	3.96	108	138	138	0.53			6.09
ORF SEQ		26300	2838	26389	28889	26890	26728	26729		27310	27311		27938			29811		. 30367	31140	31141	32031	32216	33313		34268			38075					Ш
Econ SEO ID	Ö	4837	15812	15812	13768	13758	13782	13792	14156	14345	14345	14708		L	L	L		17479	18277	18277	18851		20011	20489	L				L			_	Ш
Probe SEQ ID	ö	ag.	37.6	375	88	888	Ę	121	1112	1309	1300	1678	1918	2868	3865	388		<b>4</b> 58	5270	6270	6758	5836	7278	7626	7884	2 2	2000	200	200	10001	10000	11021	4224

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	Top Hit Descriptor	Homo sapiens makorin, ring finger protein, 1 (MKRN1), mRNA	CM-BT043-090299-075 BT043 Homo saplens cDNA	290b,04.81 Scares fetal liver spicen_INFLS_S1 Hamo sapiens curva dane IMAGE:448010 3	AU143539 Y79AA1 Homo sepiens dDNA clone Y79AA1002087 6	AU143539 Y79AA1 Homo sepiens cDNA clone Y79AA1002087 5	au49f09.x1 Schmelder felej brain 00004 Homo saplens cDNA clone IMAGE:2618121 3' similar to SW:ASPG_FLAME Q47898 N4{BETA-N-ACETYLGLUCOSAMINYL}-L-ASPARAGINASE PRECURSOR;	601801624F1 NIH_MGC_19 Homo septens cDNA clone IMAGE:4130803 5	AV649878 GLC Hamo sapiens aDNA dane GLCBYF08 3'	AV649878 GLC Hamo septens cDNA clane GLCBYF08 31	qe70f11.x1 Soares_feta_lung_NbH1.19W Homo saptens cDNA ctone IMAGE:1744365 3' smiter to contains. MIR.b2 MIR MIR repetitive element ;	Homo sapiens lysophosphatidic acid acytransferase-delta (LPAAT-delta) mRNA, complete cds	Homo sapiens lysophosphatidic acid acytransferase-delta (LPAAT-delta) mRNA, complete cds	Homo saplens chromosome 21 segment HS210084	EST01579 Hippocampus, Stratagene (cat. #836205) Homo sapiens dDNA dans HHCMC80 smillar to Refrovirus-related gag polyprotein	EST01579 Hippocampus, Stratagene (cat. #838205) Homo sepiens cONA clone HHCMC80 similar to	Retrovirus related gag polyprotein	Homo sapiens solute carrier family 4, enion exchanger, member 3 (SLC-4A3), menna	Homo sepiens southe carrier family 4, andon exchanger, member 3 (SLC443), mrKNA	Homo sepiens chromosome 21 segment HS210083	Homo sapiens mRNA for KIAA1278 protein, partial cds	Homo sepiens mRNA for KIAA1278 protein, partial cds	Homo sepiens cyclin-D binding Myb-live protein mRNA, complete cds	Human Ku (p70/p80) subunit mRNA, camplete cds	Homo septens chromosome 21 segment HS210085	Homo saplens chromosome 21 segment HS210085	Homo sepiens epididymal secretory protein (19.5kD) (HE1), mRNA	Homo sepiens cyclin-dependent kinase 6 (CDK6) mRNA	Homo septens gennma-eminobutynic acid (GABA) B receptor, 1 (GABBR1), transcript variant 2, mRNA
	. Top Hit Defabase Source					EST_HUMAN /	EST_HUMAN	EST_HUMAN	EST_HUMAN A		L HUMAN			F	EST HUMAN	Т	T_HUMAN						NT	NT		NT	NT	NT	NI
	Top Hit Acessian No.	11419234 NT	7.0E-91 AB04151.1	1	1	1	6.0E-01 AI870805.1	5.0E-91 BF314682.1	-	1		4.0E-91 AF156776.1	_	2	4 NE-89 M77894.1		4.0E-01 M77994.1	11430193 NT	11430193 NT	2	.1	3.0E-91 AB033104.1	3.0E-01 AF084530.1	3.0E-01 M30938.1	3.0E-01 AL163285.2	3.0E-91 AL.163285.2	11434964 NT	4502740 NT	11497611 NT
-	Most Similar (Top) Hit BLAST E Veitue	7.0E-91	7.0E-91	5.0E-91	5.0E-01	6.0E-01	6.0€-91	5.0E-91	5.0E-91/	6.0E-91	5.0E-97	4.0E-91	4.0E-91	4.0E-91	4 05-04		4.0E-01	3.0E-91	3.0E-91	3.05-91	3.05-91	3.05-91	3.05-91	3.05-01	3.05-91	3.0E-01		3.05-01	3.0E-91
	Expression Signal .	4.36	0.67	1.71	1.05	1.05	1.19	1.65	128	1.28	228	1.41	1.4	3.24	÷		1.55	5.97	283	1.76	3.84	3.84	147	4.36	13	13	1.43	2.97	3.34
	ORF SEQ ID NO:	35039	37083	29459	30454	30455	33108	34933				29192		37755		İ	31858							_				L	33071
	SEQ ID	21617	23585	16634	17667	17567	1982	21515	22070	2022	25470	16270		1.	26450	3	25150	14654	14664		16522	L	L						19791
	Probe SEQ ID NO:	8840	100833	3488	454	4	2,5	8547	9113	9113	12802	3246	3215	11276			12377	1621	1621	3350	3478	3478	3802	128	5016	5016	2770	6437	6735

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Table 4
Single Exon Probes Expressed in Bone Marrow

Igle Exon Probes Expressed in Doirs mariow	Top Hit Descriptor	Homo sapiens gamma-aminobutyric acid (GABA) B receptor, 1 (GABBR1), transcript variant 2, mRNA	Human L-type calcium channel beta-1 subunit (CACNLB1) gene, exons 10 and 11	Human L-type calchum channel beta-1 subunit (CACNLB1) gene, econs 10 and 11	Homo septens enkyrin-like with transmembrane domains 1 (Ank I M.1), mrova	Human mRNA for vary low density lipoprotein receptor, complete cos	Home saplens mRNA for KIAA0094 protein, partiel cas	Homo saplens EHMZ mKNA, complete cas	Homo sepiens mKNA for KIAA1080 protein, per us cus	Homo sapiens miKNA for KIAA1080 protein, perus cas	Homo sapiens glubaltione S-transferase theta 2 (GS 112) and glubaltions S-transferase urean (GS 111) are glubaltions complete costs.	Homo seriens beta-unaldomoplanesa (BUP1) gene, exon 6	in the second se	Hamo sapaens bera-urendariose (borr. 1) gare, avail o	Hamb sapiens characters at 152 50 to 152 1000 molecular Ame INACE 7735780 3	UHHBIS-46-4-01-0-01:81 NG: CGAP SULD Harin Separate Color Co	Homo sapiens hypothetical protein PRO1050 (FRO1050), IIII VA	602022088F1 NCL CGAP British Hamo sapiens CLINA Grate IMANCE: 410/04/4 5	602022088F1 NCJ CCAP BING Home septems control of the control of t	Human nucleus-encoded mitochondria aboutyde dentyd ogenese z (nucht / gene, ower re	Homo sepiens NKGZU gene, exam 10	Homo sapiens NKG-20 gane, exam 10	Human Na+,K+ A I Pasa alpha-albumi mixiva, paraa wa	Hano septens hypothetical protein in Lucucou (TLucucou), Illinuica	Homo sepiens NALP1 mKNA, compress cas	Homo sapiens partial TMASF2 gene for tetrasparan procen, evan o	Homo sepiens perdal TMASF2 gene for tetrasperan protein, exon o	Homo septens mRNA for KIAA1512 protein, pertial cds	Homo septens mRNA for KIAA1512 protein, pertial cots	Homo sapiens brefeldin A-inhibited guanhe nucleotide exchange protein 2 (BK32), mirnA	2653. Human retina oDNA randomly primed sublibrary Homo saplens culva	601273513F1 NIH MGC 20 Hamo espirars CDNA drame INVACE:3014607 3	Homo septems decydlycerol kinase, gentina (9000) (DGNG), minny 	FOTO Septemb disciplifycau minase, gainin (sons) (sons)
Xon Probes	Top Hit Database Source	Ā	NT	IN	N	NT	Ę	¥	Į,	¥	F4	Z	i N	F	Į.	EST_HUMAN	. I	EST HUMAN	EST_HUMAN	Z	攴	Ę	¥	攴	F	Ę	Ŋ	Į.	ᅜ	N	EST_HUMAN	EST_HUMAN	¥	12
	Top Hit Aceestan	11497811	ı		9801589 NT	16494.1	3.0E-91 AB011168.1	3.0E-91 AB032179.2	3.0E-01 AB029003.1	3.0E-01 AB029003.1	2010706 4	3.0E-61 AF-240/00.1	3.0E-&1 Ar-108555.1	3.0E-81 AF169555.1	1.0E-01 AL103284.2	1.0E-91 AW449748.1	11434402 NT	1.0E-91 BF348182.1	1.0E-91 BF348182.1	1.0E-81 M20463.1	9.0E-62 A,001689.1	9.0E-92 AJ001689.1	J03007.1	11427149 NT	9.0E-92 AF310105.1	9.0E-92 AJ250568.1	A.1250588.1	9.0E-92 AB040945.1	9.0E-02 AB040945.1	11422086 NT	8.0E-82 W26367.1	8.0E-62 BE388383.1	11	11434722 NT
	Most Similar (Top) Hit BLAST E Vsitue	3.0E-94	3.0E-01 U86959.1	3.0E-01 U86950.1	3.0E-91	3.0E-81 D16484.1	3.0€-91 /	3.0E-91	3.0E-91	3.0E-01	20.00	3.05-61	3.05-671	3.0E-91	1.0E-01	1.0E-91]/	1.0E-91	1.0E-91	1.0E-91	1.0E-91	9.0E-62	9.0E-92	9.0E-82 J03007.1	9.0E-92	9.0E-92	9.0E-92	9.0E-92	9.0E-92	9.05-92	9.0E-92	8.0E-92	8.0E-92		8.0E-92
	Expression Signal	3.34	4.07	4.07	0.44	2.51	9.0	2.53	2.3	2.3		1.48	3,08	3.88	2.39	7.11	6.73	1.9	1.9	0.59	6.04	8.04	2.94	2.18	3.86	0.47	0.47	1.73	1.73	1.69		ì		1.06
	ORF SEQ ID NO:	33072	34228	34227	34659	36617	38038	37707	38026	38027		31784	31174	31175	26078	27262	31498		33466	34498	27248	27247	31578	31953	32928	ŀ	L			L				
	SEO ID NO:	19791	20843	20843	1.	L.		24188	24477	L			18335	18335	13170		18587	L	L	L	L	14283		ŀ	L	L	<u> </u>		┸	L		1	ı	14865
	Probe SEQ ID NO:	38	8 8	88	8228	9	88 85	11235	11538	11536		- - - - - - - - - - - - - - - - - - -	12950	12850	8	1250	5487	7020	70207	8161	1248	1246	9239	888	6596	8180	8190	R747	8747	883	8	285	1838	1838

Page 414 of 546 Table 4 Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	au83H08.x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2782911 3' similar to TR:060302 060302 KIAA0555 PROTEIN.;contains element MER22 repetitive element;	Homo sepiens mRNA for KIAA1600 protein, partial ods	Homo sapiens FYVE domain-containing dual specificity protein prospinatase FTVE-USFZ mituvi, curipheus ods.	Homo septens MCP-4 gene	Homo sepiens DNA polymerase zeta catalytic subunit variant 1 (REV3L) mRNA, complete ods	Homo sapiens double FYVE-conteining protein 1 mRNA, complete cds	Homo septens AIM-1 protein (LOC61161), mRNA	Human lens membrane protein (mp19) gene, excn 11	Human lens membrane protein (mp19) gene, exch 11	Homo sapiens transcription termination factor, RNA polymerase II (1 1 ° 2), minory	Homo septens mRNA for KIAA0611 protein, partial cds	Homo sapiens mRNA for MENL protein	Homo serpiens nuclear mitogen- and stress-activated protein kinase-1 (MSK1) mRNA, complete cds	Homo saplens dihydrotipoemide S-succhytransferase (E2 component of 2-oxo-glutarate complex) (DLS I)	mRVA	Homo sapiens DNA, MiHC cleasa I region, 7.1 ancestral happotype	Homo sepiens mRNA for KIAA0758 protein, partial cds	Homo sapiens mRNA for KIAA0758 protein, partial cds	Homo sapiens cytoplasmic Seprese fruncated Isotomi mirana, comprete cus	Homo sepiens B-cell CL/hmphoma 7b (BCL7b) mYNA	Homo sapiens ARP2 (actin-related protein 2, yeast) namotog (Au in K.), III wa	Homo sepiens ARP2 (actin-related protein 2, yeast) homolog (ACTR2), mrvna	Homo sepiens cysteine-rich repeat-containing protein 352 procussor, microry, continues cus	Homo expierts NRAS-related gene (D1S150E.), mittina	Homo septems DNA, MHC class I region, 7.1 emoestral hepictype	Homo sapiens T-cell lymphoma investion and metastasis 1 (TIAM1) mRNA	Homo saplens T-cell lymphoma trivasion and metastasis 1 (TIAM1) mRNA	N-CAN≓145 ide neural cell adhesion molecule (human, small cell hung cencer cell line OS2-R, mRNA, 2960	Du Nam 4252 and 1	N-CAMF145 kda neural cel edhesion molecule (numar, sinali cal lung carica cel lung curica com no como como como como como como co	P2
Top Hit Detabase Source	EST HUMAN		17					NT	M		NT	M	¥			Ę	F	¥	¥	NT	NT	NT	NT	M	NT	Z	Ę		NT .		보
Top Hit Acession No.	8 0F-82 AW157571.1			T			114169B1 NT			1426569	8.0E-92 ABO14511.1		8.DE-82.AF074393.1		4503340 NT	7 DE-92 AB031007.1		7.0E-92 AB018301.1	7.0E-02 AF007822.1	4502384 NT	5031570 NT	5031570 NT	AF167706.1	TN 8675009	7.0E-92 AB031007.1	TAN DOREGO INT	TN 002500		7.0E-92 S71824.1		7.0E-02 S71824.1
Most Similar (Top) Hit BLAST E Value	8 0F-92 A	8.0E-02	8	B OF ON	A OF-02	8.0E-92	8.0E-92	8.0E-92 L04193.1	8.0E-82 [.04183.1	8.0E-92	8.0E-92	8.0E-82 Y13829.1	8.0E-02/		8.0E-62	7.0E-02/	7.0E-92	7.0E-92	7.0E-02	7.0E-92	7.05-92	7.05-02				7 05 03	1.01.02	1.01-82			_]
Expression Signal	0 7	0.84	3	100	92.0	1.16	0.58	3.52	3.52	990	248	1.88	334		1.72	4 88				1.14								78.0	<u>+</u>		1.44
ORF SEQ ID NO:	84678	31478		31639	TENES	34491		35165							38233			26263		27283	L							2882	30528		30520
Exem SEQ ID NO:	24.40	185.68		18672	19754	2007 2007	24397	21735	24735	7838	27.82	23308	1	*!!*	24654		15147	1.	L	1		L		1	1_	1		18314	17638		17638
Probe SEQ ID NO:	3	0140	3	9/99	6697	246	8428	8778	878	200	247	10388	2000	1138	11688	}	778	336	YOU THE	1286	2407	707	250	2778 K	7780	3	3356	888	4817		4617

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Table 4
Single Exon Probes Expressed in Bone Marrow

						T COOK	rigie Extel Flobes Expressed in Edito manon
Probe SEQ ID NO:	SEO ED	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vatue	Top Hit Acession No.	Top Hit Detroberse Source	Top Hit Descriptor
SD40	18063	30032	180	7.0E-92	AL163281.2	¥	Homo sapiens chromosome 21 segment HS21C081
5883			6.67	7.0E-92	AA446208.1	EST_HUMAN	zw68412.r1 Soares testis_NHT Homo sapiens cDNA clone IMAGE:781175 5
Ē	L		1.08	5.0E-82	-	EST_HUMAN	601283012F1 NIH_MGC_44 Hamo sapiens cDNA clane IMAGE:3605018 5
2847	1_		0.42	5.0E-92	5.0E-62 W27688.1	EST_HUMAN	38s7 Human retina cONA randomly primed sublibrary Homo separas Guya.
2778	L	28788	203	3.0E-92	3.0E-92 BE909714.1	EST_HUMAN	60150124ZF1 NIH MIGC 70 Home septens curve care invalve: seuzase o
9269	1_		4.56	3.0E-82	3.0E-62 AA378336.1	EST_HUMAN	ESTIBICZO Synovial sercoma Homo sapiens cDNA 5 end similar to similar to nicosoma protest 3 to
11116	L		6.32		3.0E-62 X15804.1	M	Human mRNA for alpha-actimin
11116	L				3.0E-82 X15804.1	NT	Human mRNA for alpha-actinin
88					41	¥	Hamo sapiens activin A receptor, type IIB (ACVRAZ) mirror
180	13280	26205	3.9			Ę	Home saparas inyourance process to the Access of the Acces
180		26206	3.0		11422946	. 1	Homo saptens hypometrical protein autocological (Londocological Filmono)
750			1.35		2.0E-62 BE299190.1	EST_HUMAN	601118337F1 NIH_MGC_17 Hamo septems culva dans invace 2020304 3
750	1_				2.0E-02 BE299190.1	EST_HUMAN	601118337F1 NIH_MGC_17 Hamp sapiens alina dane IMA GETSUZSSV4 D
1727	L					K	mrg-mas-related [human, Genomic, 2416 mt]
						CCT LIMAN	WAZ7607.X1 NCL_CGAP_BIT25 Homo sepiens cDNA clone IMAGEZ413049 3 SITURE TO INCLLOPPE 0.12844 BREAKPOINT CLUSTER REGION PROTEIN ;
1963	3 14976	27976	1.73		2.0E-92 AJ81811	EOI TOMPON	ACTION OF A DESCRIPTION CONTROL MACE 2413549 S' SIMILE TO TR'Q12844
1963	14978	77877	1.73		2.0E-92 AI818119.1	3.1 EST_HUMAN	012844 BREAKPOINT CLUSTER REGION PROTEIN;
2084						NI	Hamo sapiens syndecen 4 (amphighcan, ryudocan) (SUC4) mixiva
2668			<u>'</u>		6912457	Ŋ	Hamo sapiens calcineum binding protein 1 (KIAAKSSO), mitting
2627	L				AF231919.1	¥	Homo expiens chromosome 21 uninswin mitting
3627	L		1.17		2.0E-82 AF231919.1	NT	Hamo sepiens chramosome 21 univolom mitthA
900	1				5803180 NT	뒫	Homo sepiens stress-induced-phosphoprotein 1 (Hsp70/Hsp80-organizing protein) (STIP1), mRNA
4818					M10978.1	N	Human endogenous retroviral DNA (4-1), complete retroviral segment
5030	1_				Ţ.	EST_HUMAN	DKFZp434C0414_71 434 (smcmm: https://dimo.saptens.cu/n/comb.unr/zp434C0414_71 434 (smcmm)
2853	┸	32129			5	LN	Homo sepiens P-glycoprobein (mdr1) mRNA, complete cds
						<u> </u>	Homo sapiens integrin, abha L (entigen CD11A (p180), lymphocyes function-essociated antigen 1, arpha pythocytels (TTGAI) mRNA
6434						ا ا	purphysical (1) to a 1
6768		33104			2.0E-82 AB028991.1	Ž	TMID SQUAD BILLYOU TO TWO TO THE STATE OF TH
73		C	0.81		2.0E-92 U67780.1	Ę	FLINEN NET VI-1180 (Bezeptar pseudoga nin New, compressione)
7730	1		0.71		2.0E-92 U67780.1	Į,	Human NPY Y1-tike receptor pseudogene mirakk, curiquese cus
2000		35604	181		20E-82 AW340174.1	EST_HUMAN	IndO2h02x1 Soares_NFL_T_GRC_S1 Home septens dunh dane inhause_soust 1.5 seites to incover 1.5 seites to incover 1.5 soust 1.5 seites to incover 1.5 seites
	١	1					

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Top Hit Descriptor	Homo sepiens thyroid stimulating hormone receptor (TSHR), mRNA	Homo sapiens male specific lethal-3 (Drosophila)-like 1 (MSL3L1), mKNA	Homo sapiens mRNA for KIAA1093 protein, partial cds	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	y80e08_r1 Scenes placenta Nb2HP Homo sapiens cDNA clone IMAGE::145574 5	y80e08.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:145574.5	Homo sapiens ribosomal protein, large, P1 (RPLP1) mrtNA	HTM1-288F HTM1 Homo sapiens cDNA	4g01b02x1 NCL_CGAP_CLL1 Homo sepiens cUNA cione invade: 210/467 3 sumissi so 3vv. r. i.vr7 rovov. 0 46825 PROTEIN-TYROSINE PHOSPHATASE D1 ; contains Alu repetitive element contains element	MER17 repetitive element;	tgo1502.x1 NCI_CGAP_CLL1 Homo sepiens cDNA clone IMAGE:2107467 3' stmilar to SW:PTNF_HUMAN	Q16825 PROTEIN-TYROSINE PHOSPHATASE D1; contains Alu repetitive element contains element	MER17 repolitive clement;	AU121681 MAMMA1 Homo sapiens cDNA clone MAMMA1000/38 5	EST188414 HCC cell line (matastasis to liver in mouse) il fromo sapiens curvy o enu suniva en nuovonira	protein L29	Homo sapiens caldium channel apharl E subunit (CACNATE) gene, exons 7-49, and parual cus, and murey	Spliced	801281867F1 NIH MGC 44 TOTIO SQUAR COLA COLO INTOLLOCOSE O	Homo septens mosame protein Livia (MT-LIVA), miraka	ULH-BID-BRIND-ULST NOT CONT. SUBTINIBIBISED CONT. SUBTINIBIBISED CONT. STATEMENT OF THE STA	HERDean-HUGG-ULIST NCI COAP Subt from squers Color Cours mancing control Cours (Cours Cours  60146052711 NIM MGC TO THATO SQUARS CONTA COURS INVASCINGUAGO	Homo sapiens chromosome zi unanown mixwa	Homo sapiens 1 cell ymproma invasion and measusas 1 ( 1 Mm I, 11 Mm C	Homo sapiens hypothetical protein FLJ1089/ (FLJ1089/), mruvy	Homo sapiens hypothatical protein FLJ10897 (FLJ10847), mrvvA	Homo sapiens mRNA for KIAA1267 protein, pertial cds	Homo sapiens PTH-responsive osteosarcoma B1 protein (61) missist, complete cus	Homo sapiens mRNA for KIAA0611 protein, partial cos	WC09C08.X1 NCI_CCAP_ PT28 Hamo septens curva crane invocation 14070 3	WC09008XT NCI CCAP TIZO FIGHE Septembly Color in NCI Color C	TOTIO SEPRETS OFFICIAL SOCIETA IN TOTION OF THE STATE OF	
op Hit stabese Source					THUMAN	HUMAN		HUMAN	<b>₽</b> 0	EST HUMAN ME			EST HUMAN MI	EST_HUMAN A		EST_HUMAN Pr			T_HUMAN		┪	┑	T HUMAN								Т	EST_HUMAN W	_
Top Hit Acession Di	11434900 NT	6803103 NT		6912457 NT	1.0E-82 R78078.1	1.0E-92 R78078.1	450668 NT	1.0E-62 BE439625.1		1 0F-02 Al380356.1			1.0E-92 AI380356.1	9.0E-83 AU121681.1		9.0E-93 AA316723.1		9.0E-83 AF223391.1	9.0E-63 BE388571.1	11418526 NT	8.0E-83 AW014042.1	8.0E-83 AW014042.1	8.0E-63 BF036364.1	7.0E-83 AF231919.1		110	11450204 NT	6.0E-83 AB033083.1	8.0E-83 AF095771.1	5.0E-63 AB014511.1	5.0E-93 AI674184.1	5.0E-83 AI674184.1	5.0E-68 AL163201.2
Most Similar (Top) Hit BLAST E Vetue	2.0E-82	2.0E-92	20E-82	2.0E-92	1.05-92	1.0E-92	1.0E-92	1.0E-62		1 05 02					ŀ	9.0E-93			9.0E-83				l.										
Expression Signal	4.68	4.54	3.75	295	1.77	1.71	34.86	0.77		8	2		3.43	277		11.43		1.44	1.44	35.01	0.52	0.52	3.82	9.15	1.58	0.59	0.59		1.14		4.78		1.02
ORF SEQ.	37594	37864	34773	28684	27890					25027			35928						29584		32913	32014	33079	26268							l	27409	
SEQ ID	24072	24335	25370	45885	14802	14892	15104	21558		200			22482		1	15077		15652	16671		19645	19645	19789	13343	_	1_		L			_	14439	14504
Probe SEQ ID NO:	44442	1380	17718	43083	1867	1887	2087	8590		0540	RICA		9519	204		2058		2655	3628	11959	6585	6585	6744	248	309	9609	9609	8838	7401	1381	1406	1406	1471

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Table 4
Single Exon Probes Expressed in Bone Marrow

igle Extended Extended in Done in the control in th	Top Hit Descriptor	Human skeletal muscle 1,3 kb mRNA for tropomyosin	Human somatic cytochrome c (HC1) processed pseudogene, complete cds	Homo septens wbscr1 (WBSCR1) and wbscr5 (WBSCR5) genes, complete cds, atternatively spliced end replication factor C subunit 2 (RFC2) gene, complete cds	Homo sepiens protein phosphatase-1 regulatory subunit 7 (PPP1R7) gene, exon 11, complete cde and elitematively spliced product	Homo sapiens discs, targe (Drocophila) homotog 2 (chapsyn-110) (DLG2) mRNA	Hamo sepiens discs, large (Drosophile) homolog 2 (chapsyn-110) (DLG2) mRNA	Homo sapiens secretory pathway component Sec31B-1 mRNA, alternatiwely spliced, complete cds	Homo sapiens TAR (HIV) RNA-binding protein 1 (TARBP1) mRNA	Homo sepiens WSB1 protein (WSB1) mRNA, complete ods	Homo sepiens nucleobindin 2 (NUCB2), mRNA	Homo sapiens gamma-glutamytransferase 1 (GGT1), mRNA	Homo saplens gamma-glutamytransferase 1 (GGT1), mRNA	za60e09.s1 Sceres_testis_NHT Homo sapiens cDNA clone IMAGE:786688 3' simitar to SW:CLPA_KA i P37397 CALPONIN, ACIDIC ISOFORM;	Homo saplens Interferon gamma receptor 1 (IFNGR1) mRNA	Homo sapians interferon gamma receptor 1 (IFNGR1) mRNA	Homo sapiens pescadillo (zebrafish) homolog 1, containing BRCT domain (PES1), mRNA	Homo sepiens pescedillo (zebrafish) homolog 1, containing BRCT domain (PES1), mtRNA	Homo saplans hypothetical protein FL/20/31 (FL/20/31), mrt/NA	Homo sapiens dystrophin (DMD) gene, deletion breatpoints 1-3 in intron 6	Homo sapiens TNF-inducible protein CG12-1 (CG12-1), miXNA	Homo sapiens fumor antigen SLP-8p (HCC8), mKNA	Homo sapiens interleukin 18 receptor 1 (IL18R1) mRNA	Homo septens tumor entigen SLP-8p (HCC8), mRNA	yb94c12.rl Stratagene liver (#B87224) Homo eapiens cDNA clone IMAGE:78838 5' similær to similær to SP-A44391 A44391 SERUM RESPONSE ELEMENT-BINDING PROTEIN SRE-ZBP - HUMAN ,	AV692051 GKC Hamo septens cDNA dane GKCDRF07 5	602246564F1 NIH_MGC_62 Homo septens cDNA clone IMAGE-4332036 5	802248554F1 NIH_MGC_62 Homo sepiens cDNA clone IMAGE:43332336 5	Homo sapiens tensin miKNA, complete cas
T SOULL HOY	Top Hit Databerse Source	NT	NT	¥	Į.			NT		NT	TN	NT	NT	EST HUMAN	4557879 NT	¥	NT	M	보	NT	Ę	M	MT	MT	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	노
aligilic	Top Hit Acession No.			-		5.0E-83 4557526 NT	455752B NT	5.0E-63 AFZ74863.1	5032158 NT	5.0E-63 AF069313.2	11439599 NT	11417877 NT	11417877 NT	AA459833.1	4557879	TN 657879	7657454 NT	7857454 NT	8923658 NT	4.0E-83 AF047677.1	7858972 NT	7705396 NT	4504654 NT	7705396 NT	146864.1	4.0E-93 AV692051.1	3.0E-63 BF690630.1	3.0E-63 BF690630.1	3.0E-63 AF225896.1
	Most Similar (Top) Hit BLAST E Velue	5.0E-83 X04201.1	6.0E-63 M22878.1	5.0E-83 AF045555.	5 OF D3 A	5.0E-83	5.0E-83	5.0E-83 A	5.0E-83	6.0E-63	6.0E-83	5.0E-83	6.0E-03	4.0E-93	4.0E-83	4.0E-83	4.0E-83	4.0E-83	4.0E-83	4.0E-93 /	4.0E-63	4.0E-93	4.0E-83	4.0E-93	4.0E-83   146864.1	4.0E-83	3.05-93	3.0E-93	3.0E-93/
   	Expression Signal	3.94	6.0	122	68	0.58	0.56	2.06	1.33	1.59	2.48	2.55	1.32	90'2	1.26	123	1.38	1.38	1.62	4.21	1.08	0.94	201	880	4.28	13.22	9.21	9.21	1.23
ļ	ORF SEQ ID NO:	29228	32175		24342	35343		36373	38569	36836	37661				26450				27183		28638	29546		29546			29622		
	SEO ID	16302	18984	10304	2000	2404	21918	22908	23091	23352	24131	25622	25822	13204	13518	13518	13832	13832	14227	15015	15613	16625					_	L	
	Probe SEQ ID NO:	3247	6897	6230	8	8067	8962	88	10166	10,430	11174	12827	13088	8	445	445	12	2	1187	1804	2615	3580	4078	8505	5727	11468	3865	3665	4263

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Top Hit Descriptor	In 29g03 x1 NCI_CGAP_Brn 25 Hamo sepiens a DNA dane IMAGE: 2169076 3'	In 29g03 x1 NCI_CGAP_BM25 Hamo septens culva done IMAGE 27050 70 3	Hano septens GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 2 (GCN5L2), mRNA	wbozato5.x1 NCI_CGAP_GC8 Homo septens dDNA clone IMAGE2304489 31	Chlarocebus aethiops mRNA for ribosomal protein S4X, complete cds	Chlarocebus aethiops mRNA for ribosomal protein S4X, complete ods	Homo sapiens chromosome 21 segment HS210085	Homo sapiens chromosome 21 segment HS210085	Human Cikessociated RS cyclophilin CARS-Cyp mRNA, complete cds	601117588F1 NIH_MGC_16 Hamo sapiens cDNA ciane IMAGE:33356ZZU 5	EST376458 MAGE resequences, MAGH Homo sapiens cDNA	Homo sapiens deafness, autosomal dominant 5 (DFNAS), mRNA	QV3-HT0513-290300-128-h04 HT0513 Homo saplens cDNA	Homo sepiens hypothetical protein (LOCS1318), mRNA	HSU74313 Human chromosome 14 Homo septens aDNA alone 1-86	UI-HF-BNO-eks-g-09-0-UI.1 NIH_MGC_50 Homo sepiens cDNA cone IMACE:3076329 5	220c10.s1 Scares, pregnant uterus, NbHPU Homo sapiens cLNA cione iMAGE:303346 3	Homo sapiens CYP17 gene, 5' end	601458531F1 NIH_MGC_66 Hamp seplens oDNA clane IMAGE:3862086 5	Homo saplans CTR1 pseudogene	Hamo sapiens CTR1 pseudogene	Homo seplens hypothetical protein (DJ328L19.C1.1), mittyA	oy64608.x1 NCI_CCAP_CLT1 Hamo septens cDNA date IMAGE:16/2503 3 sittler to 1 N.C.C.2504 COLDON.; ZINC FINGER PROTEIN.;	Home saplens DNA for amyloid precursor protein, complete ods	Homo sapiens hypothetical protein FL.20291 (FL.20291), mRNA	Homo sapiens hypothetical protein FL120291 (FLJ20291), mRNA	Homo septems long chain polyunsaturated fatty acid elongation enzyme (HELO1) mRNA, complete cds	Homo sapiens MHC class 1 region	601177686F1 NIH JMGC 17 Homo sapiens cDNA clone IMAGE:3532465 5	601177686F1 NIH MGC_17 Hamo sapiens cDNA cione IMAGE:35322605 5	Homo sapiens DNA for amyond predured protein, compare cos
Top Hit Database Source	П	EST HUMAN		T_HUMAN	M	NT.					EST HUMAN	NT	EST_HUMAN	NT	EST HUMAN	EST HUMAN	EST HUMAN	NT	EST HUMAN	NT	NT	N	EST HUMAN	IN	닏	Ę	뒫	N	EST HUMAN	EST HUMAN	E
Top Hit Acession No.	П	3.0E-63 AI663863.1	11428182 NT	3.0E-63 AI824829.1	2.0E-83 AB015610.1			20E-83 AL163285.2		2.0E-03 BE252382.1	1	8153	2.0E-63 BF351459.1	11430039 NT	174313.1	2.0E-63 AW 502002.1	2.0E-63 AA126735.1	A1825.1	2.0E-63 BF035327.1	1.0E-83 AF238997.1	1.0E-93 AF238997.1	7657016 NT	1.0E-83 AI146755.1	1.0E-63 D87875.1	8923270 NT	B823270 NT	1.0E-03 AF231981.1	1.0E-63 AP055066.1	1.0E-93 BE297369.1	3E297369.1	1.0E-93 D87675.1
Most Similar (Top) Hit BLAST E Vatue	3.0E-B3 A1553853.1	3.0E-93 A	3.0E-93	3.0E-83 A	20E-83 A	2.0E-83	2.0E-93	20E-83	2.0E-83 U40783.1	2.0E-93	2.0E-93 /	2.0E-83	20E-83	2.0E-83	2.0E-83 U74313.1	2.0E-63/	2.0E-93/	2.0E-93 LA1825.1	2.0E-83	1.0E-93/	1.0E-93	1.0E-83	1.05-63	1.05-63	1.05-83	1.05-93	1.05-03	1.0E-83	1.05-93	1.0E-83	1.0E-93
Expression Signal	0.56	0.56	-8	3.04	8.05	8.05	12.88	8.91	1.15	2.03	5.04	0.78	0.63	1.08	0.7	1.06	3.14	269	3.40	1,82	1.82	16.6	5.09	4.11	8.85	8.85				2.05	
ORF SEQ ID NO:	32161	32182	<u> </u>	37637	L	L	26340		28173	Ľ				31993		L				26143		28510		L			<u> </u>	L			
Exam SEQ ID NO:	18970	18970	l		13283	13283	13415	13415	15157	<u> </u>	L	L		L	١.	L	L	L	L	L	L	L	<u> </u>	L	L	上	l		L.	1_	Ш
Probe SEQ ID NO:	5881	5881	67.15	11152	182	182	88	324	248	88	28	6602	582	2720	125	8	12520	12801	12853	\$	18	519	\$	878	1241	1241	2344	2471	2833	2833	2945

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Exam ORF SEQ Expression (Top) Hit Acession Delabose Signal BLAST E No. Source No:	1.3 1.0E-83 AF231981.1 NT Homo septens long chain polyunsahurated fatty acid elongation enzyme (HELO1) mRNA, complete cds	30373 1.99 1.0E-63 AL163284.2 INT	31907 1.66 1.0E-63 U78509.1 (NT	31908 1.0E-93 U78509.1 NT	32/35 1.02 1.0E-63 AF227138.1 INT	10.63 1.0E-63 4557792 NT	7862241 NT	33507 2.08 1.0E-63 11431560 NT	33785 3.07 1.0E-63 D42072.1 NT	34987 1.97 1.0E-03 AB037832.1 INT	35274 1.12 1.0E-93 Y10183.1 NT	35387 1.29 1.0E-83 AF182032.1 NT	35776 0.47 1.0E-93 AB023228.1 INT	35776 0.47 1.0E-63 AB023228.1 NT	34533 1.86 1.0E-63 AB040918.1 NT	34637 1.04 1.0E-63 AF091395.1 NT	36231 4.08 1.0E-63 X13474.1 NT	38334 4.08 1.0E-93 X13474.1 NT	38482 0.71 1.0E-63 AL049801.1 INT	36824 0.53 1.0E-63 11433646 NT	2.11 1.0E-83 A.230125.1 NT	3.14 1.0E-83 11417856 NT	1.25 8.0E-94 AL163209.2 NT	28937 2.15 6.0E-94 AF142482.1 NT	31454 3.23 5.0E-84 AB014512.1 NT	31466 3.23 5.0E-04 AB014512.1 NT	92472 3.08 5.0E-04 AA722434.1 EST HUMAN	33567 1.34 6.0E-84 A1015800.1 EST HUMAN	35976 0.82 5.0E-84 BF528115.1 EST HUMAN	37795 2.81 5.0E-94 11423982 NT	37798 2.81 5.0E-94 11423962 NT	31318 6.07 5.0E-94 189398
	<u> </u>		l	ı	I		19392			L			L	L				1_	L	1.	1	L	1_	L	L	L	L	L			Ш.	
Probe SEQ ID NO:	3228	4460	2848	8846	9850	6022	6321	6989	7462	8803	888	ğ	8378	828	7080	9811	8700	8046	10083	10.00	17783	12847	10058	3986	244	3	S S	736	808	14848	11318	12497

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Table 4
Single Exon Probes Expressed in Bone Marrow

INITIAL EXOLI FLORES Explosed III DOIS MIRLOW	Top Hit Descriptor	AV725892 HTC Hamo saplens cDNA clone HTCBEF05 5"	Home expiens chromosome 21 segment HS21C004	Homo saplens chromosome 21 segment HS210004	Homo septens patred box gene 5 (B-cell lineage specific activator protein) (PAAs), mixtan	601468748F1 NIH_MGC_67 Hamo sepiens CLYNA CICING IMAGE:3367 2089 3	Homo sapiens IL-1 receptor antagonist IL-1Ra (IL-1RN) gene, attennatively spliced forms, complete cds	ep22e02.x1 Schiller digodendrogioma Homo saptens cDNA clone iMAGE:1956122.3 Similar to INCURGAS Q62845 NEURAL CELL ADHESION PROTEIN BIG-2 PRECURSOR.;	Hamo saplens KJAA0164 gene product (KJAA0164), mKNA	60/175762F1 NIH_MGC_17 Homo sepiens cDNA clane IMAGE: 3031038 5	601175762F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:3531038 5	Home saptens TNF-alpha stimulated ABC protein (ABCX0) mrt/NA, comprete cos	Homo sepiens KIAA0255 gene product (KIAA0255), Intrina	Homo sapiens KIAA0255 gene product (KIAA0255), mKNA	M.muscatus glyT1 gene (exons 1c and 2)	M.musculus giyl 1 gane (exons 1c and 2)	Haino sapiens progressive ankylosis-like protein (ANK) mRNA, complete cds	we09804.x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone INAGE:2340808 3' similar to go:Xuncos TUBULIN ALPHA-1 CHAIN (HUMAN);	wedged4.x1 NCI_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:2340606 3' similar to gb:K00508	TUBULIN ALPHA-1 CHAIN (HUMAN);	Homo saplens KIAA0183 gene product (KIAA0193), mRNA	Homo espiens probasome (prosome, mecropain) 263 subum, marka (rase, 11 (ramp 11), many	Homo sapiens prolessome (prosome, marappan) 200 subunt, markti rask, 11 (r 3mD 11), 111 v.	Homo sapiens potassium chamei subunti (HEKG-3) marina, compress cos	Homo espiens KIAA0255 gene product (KIAA0255), mrKNA	Homo sapiens KIAA0255 gane product (KIAA0255), mRNA	Hamo sapiens proline dehydrogenese (proline addase) (PRODH) mMNA	Homo sepiens mRNA for KIAA1395 protein, partial cds	Homo sepiens early growth response 2 (Krok-20 (Drosophila) nomotog) (EGRZ), mixtw.	Homo sepiens HCF-binding transcription factor Zhangrek (ZF), mirovy	zu84b01.s1 Scenes_lestis_NHT Homo sapiens cDNA clone IMAGE:/44049 5 sinuler to contents L1.11 L1 repetitive element;
XUII FIUDES L	Top Hit Detaberse Source	EST_HUMAN	¥	NT	М	EST_HUMAN	NT	EST_HUMAN	NT	EST HUMAN	EST_HUMAN	ᅜ	N	NT	NT	NT	NT	EST HUMAN		EST_HUMAN	NT	۲	Z	٤	¥	Ŋ.	NT	LN.	M	Z	EST_HUMAN
aligile .	Top Hit Acession No.	1.0E-04 AV725992.1	2	_	28710	1.0E-84 BE780478.1	1.0E-94 U65590.1	1.0E-84 AI272244.1	11418871 NT	1.0E-84 BE285714.1	1.0E-94 BE295714.1	9.0E-85 AP027302.1	7682027 NT	7662027 NT	X82569.1	9.0E-95 XB2569.1	9.0E-85 AFZ74753.1	A DE 45 A1700508 1		8.0E-95 AI700998.1	11418378 NT	11426529 NT	11426529 NT	AF032897.1	11420944 NT	11420944 NT	5174844 NT	8.0E-85 AB037816.1	9845523 NT	10884024 NT	8.0E-85 AA828058.1
	Most Similar (Top) Hit BLAST E Value	1.0E-04/	1.05-04/	1.0E-04/	1.0E-04	1.0E-94	1.0E-94	1.0E-94	1.0E-94	1.0E-94	1.05.94	9.0E-96	9.0E-95	9.0E-95	9.0E-95	9.0E-95	9.0E-95	A 0F-05		8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-95	8.0E-85	8.0E-95	8.0E-95	8.0E-95
	Expression	0.56	0.56	0.58	2.57	1.93	2.77	20,	3.39	1.43	131	13	1.19	1.19	1.38	1.38	1.61	- 68		1.82	0.83	1.65	1.65	202	1.97	1.97	267	3.08	0.8	221	29.02
	ORF SEQ ID NO:	33000	34833	34834	36067	36547	37881	38151	38520	28182	28182	77480	28740	20141	31489	31480	34077	80482	3	30483		<u>.</u>	33774	34924					37008		
	Estain SEQ ID NO:	19725	21419	21419	22815	23072	<u> </u>	1	24923	13253	13263	14506		L	<u> </u>	L		<u> </u>	200/1	17590		L	20418		L		L		1_	24698	
	Probe SEQ ID NO:	8999	8450	8450	9811	10146	11405	11646	12050	12615	12887	1473	3170	3170	54.78	5479	8595	160	à	4587	7136	7452	7452	8539	9720	9720	10207	10238	10595	11813	12820

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Single Exon Probes Expressed in Borie Mairow	Top Hit Descriptor Database Source	Homo septens DNA for amyloid precursor protein, complete cds	Hamp sapiens DNA for amyloid precursor protein, complete ads	Homo sepiens Ly-6-like protein (CD59) mRNA, complete cds	Homo eaplens chromosome 21 segment HS21C046	Human homeobox protein (PHOX1) mRNA, 3' end	HTM1-288F HTM1 Hamp Saplens CDNA	Т	7	T	Т	ESI HUMAN WAZATI ING THE TANK THOMAS A (DOCK) MRNA	7	П	HUMAN ES IS/OILY MAKE TESQUENCES, MACH TAIN SECURITY SECU	Homo septems NANATON September (NASANTSE) meser	HOTO SERVINE TO SET PLOUND FOR THE PLOUND SET OF THE CONTROLL OF THE PLOUND SET OF THE CONTROLL OF THE PLOUND SET OF THE CONTROLL OF THE PLOUND SET OF THE CONTROLL OF THE PLOUND SET OF THE PLOUND SET OF THE CONTROLL OF THE PLOUND SET OF THE PLOUN	HUMAN 601645612-1 NITI MODE OF THE METAL METAL MENA	Homb september Navacco general (KIAA056) mRNA	Homo septems Nivvoluzed gene product (Noversecon), in the september of metallicontrates (September of metallicontrates (September of September of Markov (TIMP3))	mRNA	EST HUMAN 601312161F1 NIH MGC 44 Homo septens dura denis inwort. Journal 1801312161F1 NIH MGC 44 Homo septens dura denis inwort.	Homo sapiens G protein-coupled receptor 18 (GTT:18) IIII/GT	Homo capiens G protein-coupled recepturity (Linux A. L. L. L. L. L. L. L. L. L. L. L. L. L.	Homo sepiens gutatrione S-tensificase treat z (SSTTZ) and gutatrion S-tensifications.	U	Trains experts by greater expertage bytem in the control of the co	Figure September   Figure	HOMB Septems unconvenion in injuries 10 (1907)	Homo septens thromyertransminyosin-13 (LOCA) 1905 filia var	Hamp septens mirror for NATA 1300 process, parter on the NATA CE-1880546 3' smiler to WP: 723G7.4	est HUMAN (CE03705;	1	Homo sepiens KIAA0187 gene product (KIAA0187), mRNA	
א ר	E A S	Ę	5	Ę	Ę	Ę	11-		L LOS			3	- 1		⊢¹i	토	- 1		E	뉟	뒫	EST	Ł	뉟	ţ		z!	Z	틸	될	뉟	FST	i E	15	
Single	Top Hit Acession No.				2							3.0E-95 BF526041.1	03354		3.0E-85 AW958121.1	7682289 NT	98228	3.0E-85 BF213446.1	7682027 NT	7662027	4507512 NT	2.0E-86 BE393873.1	5453665	5453665 NT		2.0E-95 AF-240786.1	47584Z3 N1	AF015452	7	7705900 NT	2.0E-05 AB037807.1	2 OF OF A POROPA 4	7857185 NT		
	Most Skriller (Top) Hit BLAST E Value	7 0F-05 D87675.1	7 OC OC D07575 4	7 0F 05 M85708 1	20.70	7.0E-801AL 1002-0	1.0E-901	4.0E-80	4.0E-95/	4.0E-85	4.0E-85 E	3.0E-95	3.0E-95	3.0E-95/	3.0E-95/	3.0E-05	3.0E-05	3.0E-95	2.0E-95	2.0E-96	2.0E-95	2.0E-95	20E-95	2.0E-95		205-95	20E-95		2.0E-85	2.0E-85	2.0E-95	30 20 0	20E-83	Z.UC-90	ZUE-80
	Expression Signal	8 50	950	0.00	3 8	8		0.82	8	1.88	1.79	1.61	0.54	-	-	1.75	1.75	0.09	2.18	2.18	2.13	1,36	1.43	1.43		3.35	1.2	2.48	2.83		0.83				2.92
	ORF SEQ ID NO:	accor.	2000	200	SESSO Sesso Ses Sesso Sesso Sesso Sesso Sesso Sesso Ses Ses Ses Ses Ses Ses Se		30876	35985	38487	38488	38534	31550	32030	33913	33914	36119	36120	36508	27658	Z7657	08016	27986				28500	28545	29142			29687		١	30300	
	SEQ ID	72007	3	13371	1,82	17460	1818 1818	22534	24890	24890	24938	18817	25844	20554	20554	22683	22863	23030	14683	14083	44090	14083	15440	15440		15477	15523	16228	16622	16622	16674	1			18087
	Probe SEQ ID NO:	1	2/2	23	8	4483	88	9572	12013	12013	12085	5617	22.27	7593	7693	87/10	97.10	19104	1651	1651	9907	200	2433	2832		2473	2620	3171	3577	357	3831		3783	888	2021

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Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor Source				NT Home septens angiotensin I converting enzyme (peptidy-dipeptidase A) 2 (AUE2), mixture		NT Human muscle-type phosphofnucbkinase (PFK-M) gene, 600h /												#223h04_r1 Soares overy tumor NbHOT Homo septens CLYVA clone IMAGE: / 1400/ to simular to FST HUMAN TR: G1067084 G1067084 FS5H2.6;	Γ	EST_HUMAN   TR:G1067084 G1067084 F55H2.6;	EST_HUMAN RCS-FN0019-280600-011-G11 FN0019 Homo saptens GUNA		EST_HUMAN   601437232F1 NIH_MGC_72 Homo saplens cDNA done IMAGE:3822425 5		EST HUMAN   601467608F1 NIH_MGC_70 Homo septens CDNA clone IMAGE:3898/61 5	Т		NT Homo sepiens chromosome 21 segment HS21C001	NT Human glyceraldehyde 3-phosphate dehydrogenase pseudogene 3'end	NT Homo sepiens sialytransferase 6 (N-acetyllacosaminide alpha 2,3-sialytransferase) (SIAT6), mRNA
	Top Hit Acession No.	7705784 NT	T705784 NT	11225808 NT	11225608 NT	11525883 NT		11427182 NT	11427182 NT	2.0E-96 AF257737.1	11435773 NT	11421785 NT	11434330 NT	4757853 NT	7662289 NT	7682289	2.0E-85 AF240786.1	11418164 NT	1 0F.05 AA284651.1		1.0E-96 AA284651.1	1	1.0E-95 BF370000.1	1		_	-		2		11422842 NT
	Most Similar (Top) Hit BLAST E Value	2.05-96	2.0E-95	2.0E-95	20E-85	2.0E- <del>0</del> 5	2.0E-85 M59724.1	2.0E-95	2.0E-05	2.0E-95	2.0E-95	2.0E-05	2.0E-95	2.0E-95	2.0E-95	2.0E-95	20E-85/	2.0E-95	1 05-05		1.0E-96	1.05-95	1.0E-95	9.0E-96							
	Expression Signal	4.36	4.38	122	122	0.67	3.71	1.01	4.9	2.39	137	2.51	43.0	1.72	2.35	235	269	5.81	1.34		7.21	4.21	421	1.58	1.36	1.36	2.28	1.06	780		
	ORF SEQ ID NO:	31598	31599	32055		32101			L		L						31782	31718			31963					L		20082			1
	SEO SEO	18854	18864	18874	18874	18917	18338	18652	19652	19778	20152	22462	23669	24040	24888	24888	25291	25546	1	L	18791	L	20710	1	L	L			L		
	Probe SEQ ID NO:	5657	199	28.2	6782	5877	6265	6692	6592	67.22	68928	888	10747	11078	1201	5	12687	12984	8	8	2698	77.57	7757	8536	442	555	AKBO	2000	2000	3404	5722

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	Top Hit Descriptor	Hamo sapiens KJAA0763 gene product (KJAA0763), mRNA	Home cardens KIAA0763 gene product (KIAA0763), mRNA	House expense to the second-markets of skeletal muscle. Both! (MYH2), mRNA	HOMO SECTIONS IN CASE I FOR A 1772 worken northell CAS	10mb Sapients mixAA I WAYA water page 2	HOMO SEDIERIS INTUAN IN TANAMA AND AND AND AND AND AND AND AND AND AN	Homo septens mRNA for KIAA1172 protein, per usi cus	Homo saplans phosphodiesterase by, cown specific, four, apria (1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Homo sapiens transfert receptor potential criedrical of LIN Co.), History	H. sapiens DNA Tof morker mile course (year of)	Homo sapiens ALICHINE process minute, per usa constant 2 and 3	Home sapers Not I pount (Not I) gent, come in the	Hamo sapiens dNT-2 gene for mittachandrial 5(3) decayribonucleotidase (dNT-2 gene), exans 1-5	Homo sepiens A kinase (PRKA) anchor protein 1 (AKAP1), mRNA	Homo sapiens A kinase (PRKA) enchor protein 1 (AKAP1), mRNA	Lower carients mRNA for KIAA0960 protein, partial cds	Luno caniana mRNA for 14.3 Squmma, complete cds	Linnon hara N. collanenses (Cl. G4B) dens. exch 5	Limon two IV collapses (CLG4B) gard, exch 5	Louis conjune Kild And 75 Green product (KIAA0175), mRNA	COTA 2 Comme fatal liver poleen 1NFLS Homo explens cDNA clone IMAGE:212327 6	Lance carions chyndriffin sulfate proteochogn 4 (melanoma essociated) (CSPG4), mRNA	Lower carlons chromosoms 21 segment HS210048	DCS-HTM220_040500-110-002 HT0230 Homo saplens cDNA	NVA CAMPAL PROPERTY AT 12 GNO120 Homo espiens CDNA	OVA CANA SA SECONDA 427-1512 GANG 20 Homo saplens CDNA	1 MONAGA CIVIN Ligans entires (DNA rights (DND) 5	AVOSSMOT GIVE THE SECOND SERVICES COMA CARE DATE: 2818351 6	2018/201. Optimize Minches M. (HFRV-K.) Desp. pol and env genes	Human and Jan Common Maca Ham salars CONA	ESISO/124 MAGE resolutations, made in the continue approximation of the continue and the co	ESI 30/124 MANUEL INSORtations, manual and an artist and artist and artist and artist and artist and artist and artist and artist and artist and artist and artist and artist and artist artist and artist artist and artist artist and artist a	Human hepatrocyte grown racur gens, evol i	Human hepatocyke grown racor gens, exon 1 1.	Homo sapients Tentrania investing processes where the same of the
	Top Hit Database Source							NT					Ę	· <b>5</b>				i l	N	Z	Z !	L	NAME IN	2	N TOTAL	ESI HOMEN	EST HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	Ę	EST HUMAN	EST_HUMAN	Į.	N F	INT
	Top Hit Acession No.	COSCOROL	10022001	786ZZ89 N I	882383	5.0E-96 AB032998.1			11416767 NT	TN 357735 NT			6.0E-98 AF149773.1	E AE OO A 1977557 4	24300	TA 22/200 NT		5.0E-96 AB023177.1	5.0E-96 AB024334.1	A68347.1	M68347.1	7861973 NT	188656.1	4503098 N	20E-96 AL 163248.2	2.0E-06 BE148074.1	2.0E-96 BF369731.1	20E-96 BF369731.1		2.0E-86 AW249440.1	1.0E-96 Y18890.1	1.0E-08 AW955054.1	1.0E-86 AW955054.1	1.0E-96 M75987.1	M75967.	6912735 NT
-	Most Similar (Top) Hit BLAST E	90.200	O'CL	6.0E-96	6.0E-96	5.0E-98 A	5.0E-08	5.0E-96	5.0E-98	6.0E-98	5.0E-86 XB0812.1	5.0E-96	6.0E-98 A	90 30 3	30.00	3.00	9.05-90	5.0E-96	5.0E-96	6.0E-96 M68347.1	5.0E-96 MB8347.1	5.0E-98	3.0E-96 H88656.1	2.0Ё-96	20E-96	2.0E-98	20E-96				1.0E-96					1.05-96
	Expression Signal		2.38	2.59	278	3.08	3.47	3.47	123	0.71	0.83	0.93	1.15		25	A S	4.02	0.78	0.7	6.11	6.11	1.51	7.1	4.65						3.08	247	2.35				1.15
	ORF SEQ ID NO:		38335	38336	38390	26336	26855	3886		29013		31113	33148		\$3219			33578	34081	34825		38543				30700					26663					
	SEQ ION		24754	24754	24789	13412	4800	008	1	L		1	L	١	_[		20173	20241	20711	21412	21412	<u></u>		13488	13809	17808	١.	١.	1_	L	1	L		L	1	
	Probe SEQ ID		11872	11872	11918	33	1 8	3 2	8 8	8 8	9	5233	6807		6870	6940	6949	7219	7758	8443	8443	12078	4219	415	748	4780	8	8	8832	12285	872	126	į	77777	7237	7158

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Silgie Extra Transca III constant a suprime de la constant a suprime de	ORF SEQ Expression (Top) Hit Top Hit Acession Detablese ID NO: Signal BLAST E No. Source	33283 0.55 1.0E-98 6912456 NT	34941 1.35 1.0E-96 7991803 NT	34942 1.35 1.0E-96 7861803 NT	35455 24.61 1.0E-88	34708 2.21 1.0E-08.AF274883.1 NT	36939 0.91 1.0E-98 AB033116.1 NT	36940 0.91 1.0E-98 AB033116.1 NT	31169 1.59 1.0E-98 4826863 NT	31170 1.59 1.0E-98 4826863 NT	28310 0.65 8.0E-97 BF245240.1 EST_HUMAN	3.82 6.0E-97 BE141849.1   EST_HUMAN	35682 0.85 6.0E-97 BEB98012.1	35683 0.85 6.0E-97 BE898012.1 EST_HUMAN	37391 0.71 6.0E-97[AA320332.1 EST_HUMAN	37392 0.71 6.0E-97 AA320332.1 EST_HUMAN	38198 3.43 6.0E-97 X15804.1 NT	34732 2.27 6.0E-97 ALD43314.2 EST_HUMAN	48.05 5.0E.07 AA418028.1 EST HUMAN	98490 2 R4 F.OF.07 RE1540421 EST HUMAN	38427 1.75 5.0E-97 BE-148597.1 EST HUMAN	38338 1.75 5.0E-97 BE148597.1 EST HUMAN	26943 2.4 4.0E-97 BE004436.1 EST_HUMAN	28953 1.87 4.0E-97 AB030178.1 NT	28954 1.87 4.0E-97 AB030176.1 NT	27945 0.99 4.0E-97 5453572 NT	31906 0.86 4.0E-97 4567328 NT	32239 0.52 4.0E-97 U09002.1 NT	32240 0.62 4.0E-97 U09002.1 NT	33437 5.9 4.0E-97 Y11339.2 NT	33438 5.9 4.0E-97 Y11339.2	33573 1.36 4.0E-97 7710125 NT
	SEQ ID	10005				1		1_			1_			96 22262	59 23879	50 23879	L		L		1				<u>.</u>	L				6997 20123		7217 20239
	Probe SEQ ID NO:	F	15.5	35.5	8	cuco	10520	10520	1227.2	12272	R	7806	9876	8286	10939	10050	11734	88.88		2 2	10034	41873	٦	٩		100	8	8	83	88	R	22

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Top Hit Descriptor	Homo capiens leucy-tRNA synthetase, mitochondrial (KIAA0028), mRNA	Homo sapiens A kinase (PRKA) enchor protein (yotlao) 9 (AKAP9), mRNA	Homo septens death-essociated protein (DAP), mRNA	Homo sapiens death-essociated protein (DAP), mRNA	ykdid A4(751) protein	Homo sepiens succinate-CoA ligase, GDP-forming, alpha subunit (SUCLG1), mRNA	Homo sapiens mRNA for KIAA1365 protein, partial cds	Homo sapiens 17-beta-hydraxysteroid dehydrogenase IV (HSD17B4) gene, excn 8	Homo sepiens SWI/SNF releted, mathx essociated, actin dependent regulator of chromatin, subfamily a, member 3 (SMARCA3) mRNA	Homo septiens SWI/SNF related, metrix essociated, actin dependent regulator of chromatin, subfamily a, member 3 (SMARCA3) mRNA	Homo sepiens inosital polyphosphate 1-phosphatese (INPP1) gene, complete cds	Homo septems mRNA for KIAA1005 protein, pertial cds	Homo sepiens mRNA for KIAA1005 protein, pential cds	Homo sepiens mitogen-activated protein kinase kinase kinase 7 (MAP3K7), mRNA	Homo sepiens pertial MICB gene for MHC class I chain-related protein B, excris 2-3 and joined CDS	Homo sepiens IL2-inducible T-cell kinase (TTK), mRNA	Homo sepiens IL2-inducible T-cell kinase (ITK), mRNA	Homo sepiens PMS2L16 mRNA, partial cds	Homo septems PMS2L16 mRNA, partial cds	Homo sapiens 959 ldo contig between AML1 and CBR1 on chromosome 21q22, segment 1/3	Hamo sepiens 859 to cartig between AML1 and CBR1 on chramosome 21q22; segment 1/8	Human mitochondrial creatine kinase (CKMT) gene, complete cds	601507503F1 NIH_MGC_71 Homo sapiens cDNA done IMAGE:3909097 5'	AJ403124 3.4 (downregulated in larynx cardinama) Homo espiens cDNA ctone i8	Homo sepiens mRNA for KIAA0707 protein, partial cds	7B18H01 Chromosome 7 Fetal Brain cDNA Library Homo saplens cDNA clone 7B18H01	Homo sapiens chromosome 12 open reading frame 4 (C12ORF4), mRNA	Homo sepiens activator of S phase kinase (ASK), mRNA	Homo sepiens activator of S phase kinase (ASK), mRNA	yo17g09.r1 Soares adult brain N2b6HB56Y Homo sapiens cDNA clane IMAGE:178240 5	Homo sapiens uncharacterized bone marrow protein BM039 (BM039), mRNA
	Homo septens leucy	Homo sapiens A kina	Homo sepiens death-	Homo sapiens death-	Human mRNA for amyloid A4(751) protein	Homo sepiens succir	Homo sapiens mRNA	Homo sapiens 17-bet	Homo sepiens SWISNF relate member 3 (SMARCA3) mRNA	Homo septems SWI/SNF relate member 3 (SMARCA3) mRNA	Homo sepiens inosito	Homo sapiens mRN	Homo sepiens mRN	Homo sepiens mitoge	Homo sapiens partial	Homo sapiens IL 2-inx	Homo sapiens IL2-trx	Homo sepiens PMS2	Homo septens PMS2	Homo sapiems 959 kt	Hamo sapiems 959 kt	Humen mitochondrial	601507503F1 NIH_N	AJ403124 3.4 (downi	Homo sepiens mRNA	7B18H01 Chromosox	Homo sapiens chrom	Homo sapiens actival	Homo sapiens activat	yo17g09.r1 Soares a:	Homo sapiens uncha
Top Hit Database Source	NT	LY.	אַנ	F	Ę	T.	TN.	NT	5	5	Ę	F	Z	5	M	4	F	M	M	Ħ	N	M	EST_HUMAN	EST_HUMAN	N <sub>T</sub>	EST_HUMAN	7	F		THUMAN	F
Top Hit Acession No.	7881871 NT	11419408 NT	4758119 NT	4758119 NT	ł	11321580 NT	.1	9.0E-88 AF057728.1	4507070 NT	TM 07070784	9.0E-98 AF141325.2	<u></u>		8982	8.0E-68 AJ25/158.1	5031810	5031810 NT	.1	.1	1	1.1		3.1	-	3.0E-88 AB014607.1	3.0E-08 AA077498.1	9966846 NT	11419210 NT	1419210		3922098
Most Similar (Top) Hit BLAST E Vatue	9.0E-98	9.0E-68	90E-98	9.0E-98	9.0E-88 X06989.1	9.0E-98	9 <del>0</del> -30'6	9:0E-98	89-30'6	80-J08	9.0E-98	9.0E-88	9.0E-98	90E-08	8.0E-68	80E-08	8.0E-98	8.0E-98	8.0E-98	8.0E-88	8.0E-98	8.0E-98 J04469.1	86-30'9	3.0E-98	3.0E-88	3.0E-98	3.0E-98	3.0E-88	3.0E-98	3.0E-98 H46698.1	3.0E-98
Expression Signal	0.55	0.56	5.5	5.5	201	1.44	1.49	0.83	1.18	4	0.5	208	208	1.76	224	1.49	1.49	273	2.73	76.0	76.0	6.45	274	123	1.19	3.63	0.7	1.63	1.83	3.59	0.65
ORF SEQ ID NO:	33832	33940	34836	34837			36040		36202	SHCAR	l	37823	l			27568	27569	27754	27755	29569	29570	29757	32509	28223	28639	   	33418				
Ean SEQ ID NO:	20472	20577	21228	21228	22435	22541	22591	22647	22760	22750	L.	24296	L	24361	13146	14504	14594	14769	14769	. 16852	16852	16849	19276	16203	16814	15751	20102	20110	I. I	22070	
Page SEQ ID NO:	7507	7817	8257	8257	2471	8579	9647	9694	9722	0772	10623	11346	11346	11407	88	1562	1562	1739	1739	3607	3807	3809	6201	2188	2816	2769	7131	7134	7134	9104	8852

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Probe SEQ ID NO: 10243 10243 10243 10243 10243 10243 10243 10243 10243 10243 10243 10343 10778 10778 10778 10778 10778 10778 10778 10778 10778 10778	<u> </u>	8 -	Signal 1.61 1.61 1.61 1.69 2.4 2.4 2.8 2.3 4.28 1.08 1.08 1.08 1.08 1.08 1.08 1.08 1.0	No. No. No. No. No. No. No. No. No. No.	Top Hit Source Source Source T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN	Top Hit Source Legislates Source Legislated In larynx carcinoma) Home saptems cDNA clone IB EST HUMAN AL403124 3.4 (downregulated in larynx carcinoma) Home saptems cDNA clone IB EST HUMAN AL403124 3.4 (downregulated in larynx carcinoma) Home saptems cDNA clone IB EST HUMAN (6017280867 NIH MGC_21 Home saptems cDNA clone IMAGE:3050617 5  NT HUMAN GOTT280867 NIH MGC_21 Home saptems cDNA clone IMAGE:3052213 5  EST HUMAN GOTT280867 NIH MGC_21 Home saptems cDNA clone IMAGE:3052213 5  EST HUMAN GOTT280867 NIH MGC_21 Home saptems cDNA clone IMAGE:3052213 5  EST HUMAN GOTT280867 NIH MGC_21 Home saptems cDNA clone IMAGE:3052213 5  INT Home saptems Ram CTP man saptems cDNA clone IMAGE:3052213 6  INT Home saptems potassalum chemical submit (HFRC) on RFUAL, complete cds  INT Home saptems potassalum chemical submit (HFRC) on RFUAL, complete cds  INT Home saptems potassalum chemical submit (HFRC) on RFUAL, complete cds  INT Home saptems PDZ domain-CMSS_1016068, InRVA Home SADA MRA, PDCS_1016069, InRVA Home SADA MRA, PDCS_1016069, INRVA Home SADA MRA, PDCS_1016069, INRVA HOME S
5390 5390 6849	3 14840 0 18483 9 18745 9 18745	31970 31912 31913	3.54 1.07	1.0E-98 IM49818.1 1.0E-98 AA195854.1 1.0E-98 BE390627.1 1.0E-98 BE390627.1	EST HUMAN EST HUMAN EST HUMAN	PHY:SS-4244 SS-4244 Independent protein Last - numen ;  488-008-11 Stratagene muscle 837209 Homo saplens cDNA done IMAGE:628240 5' similar to TR:G806562 G806562 NEBULIN.; 601284986F1 NIH_MGC_44 Homo saplens cDNA done IMAGE:3606892 5' 601284986F1 NIH_MGC_44 Homo saplens cDNA done IMAGE:3606892 5'
ğ	╝			DE394027.1	DOMEST TO	

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ighe Exoli Probes Expressed in Borre Marrow	Top Hit Descriptor	Homo sepiens beta-tribulin mRNA, complete ods	Homo sepiens beta-tubulin mRNA, complete cds	QV-BT073-191298-012 BT073 Homo sapiens cDNA	QV-BT073-191298-012 BT073 Homo sapiens dDNA	EST380711 MAGE resequences, MAGU Homo sepiens cDNA	tm68h07.x1 NCI_CGAP_Brn25 Homo septens cDNA chone IMAGE:2163421 3" similar to SW-58ID_HUMAN P55857 BH3 INTERACTING DOMAIN DEATH AGONIST;	tm89h07.x1 NCI_CGAP_Bm25 Homo septens cDNA clone IMAGE-2163421 3' simiter to SW-131D_HUMAN P53957 BH3 INTERACTING DOMAIN DEATH AGONIST;	PM2-MT0037-250700-003-G04-MT0037 Homo eapiens cDNA	zn80d02.r1 Stratagene lung cardinoma 837218 Homo sapiens cDNA clone IMAGE:565443 6' sknijer to TR:C662894 G662994 GPLANCHORED PROTEIN P137.	Human endogenous retrovirus, complete genome	Homo sepiens oscillin (HLn) gene, exan 5	Homo sapiens NK-receptor (KIR-G2) gene, linker region exon	Human G2 protein mRNA, partial cds	Homo sapieris CD34 antigen (CD34) mRNA	Homo sapiens GAP-like protein (LOC51306), mRNA	Homo sapiens polycystic kidney disease (PKD1) gene, exons 27-30	Homo sapiens polycystic Iddney disease (PKD1) gene, exons 27-30	H.saplens mRNA for estrogen receptor	Homo saplens enkyrin-like with transmembrane domains 1 (ANKTIM1), mRNA	Homo sapiens NDST4 mRNA for N-deacetylasse/N-eufforransferase 4, complete cds	Horno sepiens todestar protein mRNA, complete cds	Homo sapiens Iodestar protein mRNA, complete cds	Homo sapiens inosital 1,4,5-triphosphate receptor, type 1 (ITPR1), mRNA	Homo septems inositol 1,4,6-triphosphate receptor, type 1 (ITPR1), mRNA	Homo septens BH3 Interacting domain death agonist (BID), mRNA	Homo sapiens UDP-glucoss/glycoprotein glucos/fransferase 1 (HUGT1), mRNA	Homo sapiens UDP-glucose:glycoprotein glucosyfitransferase 1 (HUGT1), mRNA	H.sapiens IMPA gene, exan 8	Homo sepiens T cell receptor beta locus, TCRBV7S3A2 to TCRBV12S2 region	601513157F1, NIH_MGC_71 Hamo sepiens cDNA dane IMAGE:3914391 5	Human E2A/HLA fusion protein (E2A/HLF) mRNA, complete ods
AUII FIUUGS E.	Top Hit Databese Source	H	보	EST_HUMAN O	EST_HUMAN Q	EST_HUMAN · E	EST_HUMAN P	EST_HUMAN P	EST_HUMAN P					7	41	FT.	<b>1</b>	H			버		H								EST_HUMAN &	
Derigner.	Top Hit Acessian No.	1.0E-98 AF141349.1	1.0E-98 AF141349.1	9.0E-69 A1905004.1	9.0E-99 A1905004.1	9.0E-99 AW968635.1	9.0E-69 AI479829.1	9.0E-99 AI479829.1	9.0E-99 BF359679.1	9.0E-89 AA134604.1	335487	_	1		4502660 N	7706138 NT				6601589 NT	6.0E-99 AB036429.1	1	6.0E-99 AF080255.1	11431994 NT	11431894 NT	11528299 NT	9840279 NT	9910279 NT		1	1	
	Most Similar (Top) Hit BLAST E Value	1.0E-98 /	1.0E-98	<b>7</b> 66-30′6	<b>√</b> 66-30'6	√ 66-30'6	9.0E-99	9.05-99	9.0E-99 E	9.0E-99.A	8.0E-89	7.0E-89 AF035808.	7.0E-89 A	8.0E-89 U10991.1	6.0E-99	6.0E-99	6.0E-89 L	6.0E-89 L43610.1	6.0E-89 X99101.1	6.0E-99	6.0E-89	6.0E-99	6.0E-09	6.0E-89	6.0E-99	6.0E-99	6.0E-99	6.0E-89	5.0E-99 Y11365.1	6.0E-69 A	5.0E-89 BE890177.	3.0E-99 M95586.1
	Expression	5.26	5.28	0.84	0.84	3.77	3.71	3.71	2.19	1.84	1.18	8.72	1.89	0.84	. 0.97	96'0	0.81	0.81	1.08	0.62	224	3.78	3.79	0.64	0.64	3.32	1.98	1.98	1.37	1.48	5.2	5.74
	ORF SEQ ID NO:	35740	14738	32185	32186	32465	37946	37947	37951	38207	35467	32214	38410	26473	30690	33087	33182	33183	34823	34846	35511	35612	35613	35669	35670	37560	37459	37460	28008	30511		
	Exan SEQ ID NO:	22315		19003	19003	19233	24399	24389	24403	24628	22044	19019	24814	13544	17799	19806	19888	19888	21410	21429	22083				22241	24038	23938	23938	15003	17617	25238	21632
	Probe SEQ ID NO:	8850	9850	5917	5917	6158	11456	11456	11460	11743	8206	1 5933	11833	472	4779	6752	6835	6835	8441	8460	9117	8215	9215	9275	9275	11074	11783	11783	1982	4596	12496	8664

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					B		
Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signel	Most Similer (Top) Hit BLAST E Vatue	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
124	14281		16.34		2.0E-99 AW 274792.1	EST_HUMAN	xp09e06.x1 NCI_CGAP_HN9 Home sepiens cDNA clene IMAGE:2739874 3' similar to gtcM31212 MYOSIN LIGHT CHAIN ALKALI, NON-MUSCLE ISOFORM (HUMAN);
3272	16326	29248	1.19			NT	Human Ku (p70/p80) subunit mRNA, complete cds
4274	17396	30480	1,95			Į.	Homo sepiens short chain L-3-hydracyscyl-CoA dehydrogenese procursor (HADHSC) gene, nuclear gene encoding mitochandrial protein, complete cds
7836			0.67		2.0E-99 AF257737.1	NT	Homo sapiens ciliary dynetn heavy chain 9 (DNAH9) mRNA, complete cds
199 199 199 199 199 199 199 199 199 199					2.0E- <del>89</del> W23507.1	EST_HUMAN	zb46d06.r1 Scares_fetal_lung_NbHL19W Homo sepiens cDNA clone IMAGE:306635 6' similar to gb:M16182 BETA-GLUCURONIDASE PRECURSOR (HUMAN);
2098		35914	0.65		2.0E-89 R78254.1	EST_HUMAN	y81b08.r1 Soares placenta Nb2HP Homo sapiens cDNA clone IMAGE:145025 5
11440	L	37923	2.56		2.0E-99 AF247467.2	M	Homo sepiens myosin X (MYO10) mRNA, complete cds
315	<u> </u>	26333	1.5		1.0E-89 AF114487.1	NT	Hamo sepiens intersectin lang isofarm (TTSN) mRNA, complete cds
379	辶	26393	1.04	1.0E-89	11528150 NT	NT	Homo septens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA
1419		27428	1.98		1.0E-89 M30838.1	NT	Human Ku (p70/p80) subunit mRNA, complete cds
1559			1.52		1.0E-89 AF182523.1	NT	Homo sapiens truncated Niemann-Pick C3 protein (NPC3) mRNA, complete cds
1559	1_	27584	1.52		AF182523.1	TN	Homo sepiens truncated Niemenn-Pick CS protein (NPCS) mRNA, complete cds
48	14968		1.18		1503730 NT	N-	Homo sapiens FK508-binding protein 6 (38kD) (FKBP8) mRNA, and translated products
<u>\$</u>	14968	27866	1.18		4503730 NT	F	Homo septens FK606-binding protein 6 (36140) (FKBP6) mRNA, and translated products
3101			1.6		1.0E-89 J03171.1	NT	Human Interferon-eiphia receptor (HulFN-eiphia-Rec) mRNA, complete cds
4407	17435		226		1.0E-09 AF098018.1	NI	Homo sepiens fatty acid amide hydrolesse (FAAH) gene, exon 14
4407		L	226		1.0E-89 AF088018.1	٦	Homo saplens fatty acid emide hydrolase (FAAH) gene, excn 14
9836	1		0.59			ᅜ	Homo sepiens cell recognition molecule Caspr2 (KIAA0868), mRNA
9769	20180	33528	1.77		114	된	Homo sapiens glycine receptor, sipha 2 (GLRAZ), mitNA
8203	20189		1.77	1.0E-89	11421007 NT	M	Homo sapiens glycine receptor, alpha 2 (GLRA2), mRNA
7346	25680		0.61		X98022.1	Z.	H.saplans E8-AP gene exan 2
9554	l		0.86	1.0E-99	11419721 NT	Z	Homo sepiens ALEX1 protein (LOCS1309), mRNA
							hdoZhoZxf Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2808371 3' similar to TR:002711
8786	22831	36285	1.89		1.0E-09 AW340174.1	EST_HUMAN	002711 PRO-POL-BUTPASE POLYPROTEIN;
11473	1_				7427514 NT	¥	Homo saplens huntingtin Interacting protein 1 (HIP1), mRNA
11473	24416		1.89		7427514 NT	Ę	Homo sepiens huntingtin Interacting protein 1 (HIP1), mRNA
11705					AB0232	Ę	Homo sapiens mRNA for KIAA 1005 protein, partial ods
							Homo sapiens glutathone S-transferase theta 2 (GSTT2) and glutathione S-transferase theta 1 (GSTT1)
12253	25079		9.09		1.0E-99 AF240786.1	노	genes, complete cds
	13123	28021	1.83		1.0E-100 AL163247.2	N	Homo sepiens chromosome 21 segment HS21C047
2	13123	26021	1.19		1.0E-100 AL163247.2	Ę	Hamo saplens chromosome 21 segment HS210047

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Alle Lyon Lybrasco III posso III pos	Top Hit Descriptor	y38c08.s1 Scares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:129134 3'	Homo sepiens Rho GTPess activating protein 6 (ARHGAP8), transcript venerit 4, mRNA	ae33b08.r1 Gessler Wilms fumor Homo sepiens cDNA clone IMAGE:897587 5' smiler to 1 K:C487418 G487418 ACTIN FILAMENT-ASSOCIATED PROTEIN;	ae33008.ri Gessler Wilms tumor Homo sepiens cDNA clone IMAGE:897587 5' stmilar to TR:G487418 G487418 ACTIN FILAMENT-ASSOCIATED PROTEIN.;	MR1-TN0046-060900-004-b05 TN0048 Homo saplens cDNA	MR1-TN0048-050300-004-b05 TN0048 Homo septems cDNA	Human mRNA for kidney epidermal growth factor (EGF) precursor	Homo septems Rad50 (Rad50) mRNA, complete cds	Homo sepiens Rad50 (Rad50) mRNA, complete cds	601647357F1 NIH_MGC_61 Homo sapiens cDNA clone IMA(3E:3931310 67	Hamo septems chromosome 21 segment HS21C003	AU116951 HEMBA1 Homo saptens cDNA clone HEMBA1000343 5	AU116951 HEMBA1 Homo sapiens cDNA clone HEMBA1000343 b	Homo sepiens mRNA for KIAA1485 protein, partial cos	wr37g09x1 NC_CGAP_Pr28 Homo sapiens cDNA done IMAGE:2489820 3' similar to contains element	MER22 repetitive element;	PMD-BN0065-100300-001-c06 BN0066 Homo septems cDNA	AU127720 NT2RP2 Homo sapiens CDNA done NT2RP2001918 5	Homo sapiens mRNA for KIAA 1628 protein, partial cds	Homo sapiens mRNA for KIAA1628 protein, partial cds	hh83c11.y1 NCL_CGAP_GU1 Hamo septems cDNA clone IMAGE:2385398 6	hh83c11.y1 NCL_CGAP_GU1 Hamo septems cDNA clane IMAGE:2385538 6	AV732101 HTF Hamo sepiens cDNA clane HTFBIG01 5	602020554F1 NCI_CGAP_Bm67 Homo septens cDNA clone IMAGE:4156165 5	Human endogenous retrovirus HERV-K, pdi gene	MRO-BN0070-270300-008-h11 BN0070 Homo sapiens cDNA	H.sapiens CD97 gene exon 4	H.sapiens CD97 gene excm 4	Homo septens 14432 Jagged2 gene, complete cds; and unknown gene	Homo sapiens 14q32 Jegged2 gene, complete cds; and unknown gene	Hamo sepiens dynamosome 21 segment HS210047	Homo sapiens golgin-like protein (GLP) gane, complete cds
20011104	Top Hit Defebese Source	T_HUMAN		EST HUMAN	Г	Т	Т	Ę	Į.	ᅜ	EST_HUMAN	MT	EST_HUMAN	EST_HUMAN	N		EST_HUMAN	EST_HUMAN	EST HUMAN	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	¥	<b>EST_HUMAN</b>	LN	N.	N.T	M	NT	<u>L</u>
Oll Mile I	Top Hit Acession No.	210887.1	7382479 NT	1.0E-100 AA496841.1	A A 400044 4	1.0C=100 AA4800+1.1	1.0E-100 BF378478.1	X04571.1	U63139.1	U63139.1	1.0E-100 BF103853.1	1.0E-100 AL163203.2	1.0E-100 AU116951.1	1.0E-100 AU116951.1	1.0E-100 AB040918.1		1.0E-100 A1972388.1	1.0E-100 AW998811.1	1.0E-100 AU127720.1	1.0E-100 AB046846.1	1.0E-100 AB046848.1	1.0E-100 AW630487.1	1.0E-100 AW630487.1	1.0E-100 AV732101.1	1.0E-100 BF347519.1	1.0E-100 Y10391.1	1.0E-100 BF327292.1	1.0E-100 X94633.1	1.0E-100 X94633.1	1.0E-100 AF111170.3		1.0E-100 AL163247.2	1.0E-100 AF266285.1
	Most Similar (Top) Hit BLAST E Value	1.0E-100 R10887.1	1.0E-100	1.0E-100	9	1.00-100	1.0F-100	1.0E-100 X04571.1	1.0E-100 U63139.1	1.0E-100 U63139.1	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100		1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100	1.0E-100			L			
	Expression Signal	1.35	1.08	960	8	080	1.12	6.82	0.62	0.52	11.86	5.3	0.59	0.59	3.34		244	204	1.08	228	220	1.47	1.47	0.46	2	1.56	7.51	1.78	1.78	3.57	3.67	1.96	2
	ORF SEQ ID NO:	33190					23401					L	35763					34511		36331				L			37593					28021	
	Etan SEQ ID NO:	19896	L	<u> </u>	i		20092		1_				L	L			22822		1			1_	L			L	1_	上	L	1	L		Ш
	Probe SEQ ID NO:	8843	4588	7040	2	7019	20.00	2/0/	0602	2007	77,88	<b>8</b>	8368	8368	8838		9065	0788	8842	8042	800	40203	10203	1000	10896	10024	1111	11818	11818	1681	11684	11712	11989

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Table 4
Single Exon Probes Expressed in Bone Marrow

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Top Hit Descriptor		Homo espiens RIBIIR gene (pertial), exon 12	Homo sapiens ASHZL gene, complete cds, similar to Droscphila ash2 gene	Homo sepiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA	Homo sapiens butyrophilin, subfamily 2, member A1 (BTN2A1), mRNA	EST377212 MAGE resequences, MAGI Homo septens cDNA	Homo sepiens cytopiasmic linker 2 (CYLN2), mRNA	Homo sepiens cytoplasmic linker 2 (CYLN2), mRNA	Homo sepiens carbonic anhydrase VII (CA7), mRNA	Homo septens hypothetical protein FLJ22087 (FLJ22087), mRNA	Homo saptens Kruppel-type zinc finger protein (PEG3) mRNA, alternative spilos form 4, partial cds	Homo sepiens Kruppel-type zinc finger protein (PEGS) mRNA, alternative spiice form 4, partial cds	ww55f12x1 NCI_CGAP_Gas4 Homo septens cDNA clone IMAGE:2833487 3'	601109217F1 NIH_MGC_16 Hamo sepiens cDNA clane IMAGE:3349901 5	RC1-BT0313-220700-018-f12 BT0313 Homo septems cDNA	601121621F1 NIH_MGC_20 Homo septens cDNA clone IMAGE:3345888 5	601121621F1 NIH_MGC_20 Hamo septens aDNA clane IMAGE:3345869 5	601764686F1 NIH_MGC_63 Hamo saptens aDNA clane IMAGE:3986837 5	hh74g10.y1 NCL_CGAP_GU1 Homo septens cDNA clone IMAGE:2868578 5' similar to gb:J03143 INTERFERON-GAMMA RECEPTOR ALPHA CHAIN PRECURSOR (HUMAN);	hh74g10.y1 NCI_CGAP_GU1 Homo septens cDNA clone IMAGE:2968678 6' stmiter to gb:J03143 INTERFERON-GAMMA RECEPTOR ALPHA CHAIN PRECURSOR (HUMAN);	2/29g08.r1 Soares_pregnant_uterus_Nbt/PU Homo sapiens cDNA clone IMAGE:471998 5' similar to DID: SEA4AA SEA4AA VEOSSE (72, mandah 1, mast 1	Lower contains mDNA for KIAA4354 northeir restrict orts	Homo services mRNA for KIAA1351 profess contact contac	Limen mPNA for narroafic namma chitametransa	Human mPNA for renconfin memma di damikhandansa	Homo sariers camma chitamultransferase 1 (RGT1) transcript varient 3 mRNA	MALO CONTROL BRANCH DATE OF THE STATE OF THE	60147280811 NIH_MGC_68 Homo septens cDNA clone IMAGE:3875653 3	601472808T1 NIH_MGC_68 Homo septens cDNA clone IMAGE:3876963 3	Homo sepiens potessium channel, subfamily K, member 10 (KCNK10), mRNA	Homo sapiens Janus kinase 2 (a protein tyrosine kinase) (JAK2), mRNA	toT7d11x1 NCI_CGAP_Ges4 Homo septens cDNA ctone IMAGE:2184309 3' straiter to gb:M26328 KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	
Top Hit Dertabase	Source		NT			THUMAN		_				NT	EST_HUMAN	HUMAN	EST_HUMAN	EST_HUMAN		EST HUMAN	EST_HUMAN			NAME OF THE PARTY						. ]	HUMAN			EST_HUMAN	
Top Hit Acession No.			1.0E-101 AB02Z785.1	5921460 NT	5921460 NT	AW965139.1	7427512	7427512 NT	11430734 NT	11545780 NT	1.0E-101 AF208970.1	1.0E-101 AF208970.1	-		1.0E-101 BF330759.1	1.0E-101 BE275821.1	1.0E-101 BE275821.1	1.0E-101 BF029174.1	1.0E-101 AW630070.1	1.0E-101 AW630070.1		1.UE-101 AAUSGSU0.1	1.0E-101 ABOST 12.1	1.0E-101 Abases 4	A00009.1	TO COLARGO TIE	2840498	1.0E-101 BE619667.1	1.0E-101 BE619667.1	10863960 NT	11429127 NT	1.0E-101 AI570283.1	
Most Similar (Top) Hit	Vatue	1.0E-101	1.0E-101	1.0E-101	1.0E-101		1.05-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101	1.05-101	1.0E-101	1.0E-101		1.01-101	1.002-101	1.0E-101 ABOSE 1	1.01-101	1.0E-101 ABUDBL1	1.05-101	1.0E-101	1.0E-101	1.0E-101	1.0E-101		
Signal		203	4.58	1.54	1.54	208	3,59	3.59	1.16	1.18	4.82	28.4	7.39	1.78	6.3	1.07	1.07	5.11	8.0	0.83		300	0.02	0.02	19.42	18.42	18.13	13.91	13.91	0.61	1.98	0.56	
ORF SEQ		28764	53636	30963	30964	31371	32420	32421	33202		33863	33864	34040		34327		34622	34766	35053		<u> </u>			1	l			36520	36521	38888	37192		
Exon SEQ ID	Ö	15745	16930	18082	18082	18494	19198	19196	19906	20453	20505	20505	20874	20774	20832	27214	21214	21359	21683	21683		7232	8		21.2	21139		23041	23041	23179	23894	1	L
Probe SEQ ID	ÿ	3411	3890	5072	5072	239	6118	6118	8853	7488	7542	7542	7117	2828	7883	8246	8245	8890	9882	8005		40836	200		3	9817	96530	10115	10115	10254	10773	10807	

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Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	167411.x1 NCI_CGAP_Ges4 Homo septems oDNA clone IMAGE:2184309 3' similiar to gb:M28328 KERATIN, TYPE I CYTOSKELETAL 18 (HUMAN);	601680823F1 NIH_MGC_83 Hamo sepiens cDNA clone IMAGE:3950887 5	601680825F1 NIH_MGC_83 Hamo capiens cDNA clone INAGE:3950887 5	branched-chain eipha-leab acid dehydroganase complex E1 alpha subunit [human, Genomic, 195 nt, segment 8 of 9]	EST23783 Bone marrow Homo sapiens cDNA 5 end similar to defensin 1	QV1-DT6068-240200-085-d01 DT0068 Hamo septems aDNA	Homo sapiens phosphatidylinosital 4-kinase 230 (pi4K230) mRNA, complete cds	Hamo septens chromosame 21 segment HS21C103	Homo sepiens down-regulated in adenome (DRA) mRNA	Human endogenous retroviral DNA (4-1), complete retroviral segment	Homo septens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), mRNA	Homo sepiens solute cerrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), mRNA	601289982F1 NIH_MGC_21 Hamo septiens cDNA dane IMAGE:3628901 5	am60c10.x1 Johnston frontal cortex Homo seplens cDNA clone INAGE:1539954 3' similar to SW:GG96_HUMAN Q08379 GOLGIN-95. ;	em60c10.x1 Johnston frontial cortex Homo sapiens cDNA clone IMAGE:1538954 3' similar to	SW:GG85_HUMAN Q08379 GOLGIN-95.;	Hamo sepiems PRKY exan 7	Homo sapiens KIAA0187 gene product (KIAA0187), mRNA	AU141005 PLACE4 Homo saplens cDNA clone PLACE4000650 5	AU141005 PLACE4 Homo sapiens aDNA dane PLACE4000850 5	Hamo sepiens chramosame 21 segment HS210007	601107843F1 NIH_MGC_16 Homo septems cDNA clone IMAGE:3343882 5	y32c04.r1 Scares placenta Nb2HP Homo sapiens cDNA ctone IMAGE:140834 5	Homo sepiens protein phosphatase-1 regulatory subunit 7 (PPP-1R7) gans, excn 7	Homo sapiens HSC54 mRNA for heat shock cognate protein 54, complete ods	Homo sapiems histone deacetylase 7 (HDACT), mRNA	Homo sepiens histone deacetylase 7 (HDACT), mRNA	Homo sepiens hect domain and RLD 2 (HERC2), mRNA	ar82709.x1 Barstead colon HPLRB7 Homo sapiens cDNA clone IMAGE.2151785 3' similar to TR:Q13137 Q13137 NDP62.;	UHHBI3-a]-4-10-0-UI.sr1 NCI_CGAP_Sub5 Homo sepiens cDNA clone IMACE::2738835 3'
Source		EST HUMAN (8)	EST HUMAN 6	<u> </u>	EST HUMAN E	EST_HUMAN Q	H			NT H			T_HUMAN	EST HUMAN S		EST_HUMAN S	H		EST_HUMAN A	EST_HUMAN A		EST_HUMAN 6	EST_HUMAN N	F	H				T_HUMAN	EST_HUMAN U
Top Hit Acessian No.		1	1			_		1.0E-102 AL163303.2	4557534 NT		11437146 NT	11437146 NT	1.0E-102 BE408447.1					TN 6781979 NT	1.0E-102 AU141005.1			-				7706398 NT	T705398 NT	11433046 NT		1.0E-102 AW451643.1
Most Similar (Top) Hit BLAST E Vatue	1.0E-101 AI570283.1	1.0E-101 BE973648.	1.0E-101 BE973648.	1.0E-101 S38327.1	1.0E-101 AA321316.	1.0E-101 AW838051	1.0E-102 AF012872	1.0E-102	1.0E-102	1.0E-102 M10978.1	1.0E-102	1.0E-102	1.0E-102	1.0E-102 A1124689.1		1.0E-102 AI124669.1	1.0E-102 Y13932.1	1.0E-102	1.0E-102	1.0E-102 AU141006.	1.0E-102	1.0E-102 BE251310.	1.0E-102 R66488.1	1.0E-102 AF067133.	1.0E-102 AB034861.	1.0E-102	1.0E-102	1.0E-102	1.0E-102	1.0E-102
Expression Signal	0.56	0.64	0.64	238	162.1	7.64	5,0	5.2	1.07	<u>8,1</u>	227	227	200.41	1,36		1.36	67.0	1.48	3.24	3.24	1.83	1.85	+	1.52	3.3	3,45	3.45	0.98	2.74	0.5
ORF SEQ ID NO:	37230	37349	37350	37706			26064							28352		28353		29047	28120	29121			31045	31460		32163				
Exan SEQ ID NO:	23728	23834	23834	24178	24955	26387	13161	13430	13835	14163	14308	14308	14450	15329		15329	16095	18135	16207	16207	17289	17467	18167	18547		18971	Ľ	L		Ш
Probe SEQ ID NO:	10807	10914	10914	11226	12083	12735	4	2	178	1119	1273	1273	1417	2318		2318	3037	3078	3150	3150	4260	144	5157	5445	6842	2882	2882	2889	6425	7283

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Single Exon Probes Expressed in Bone Marrow

Most Similar Top Hit	Signal BLASTE No. Source	33858 0.75 1.0E-102 BE728323.1 EST_HUMAN 601561505F1 NIH_MGC_20 Homo septens cDNA clone IMAGE:3831241 5	33683 0.77 1.0E-102 BE386108.1 EST_HUMAN 601277215F1 NIH_MCC_20 Homo septens d2NA dome IMAGE:3618243 6	1.0E-102 AB023177.1 NT	33889 8.85 1.0E-102 AJ238994.1 NT Homo eaplens mRNA for Centaurin-eipha2 protein	2.64 1.0E-102,AV710738.1 EST_HUMAN	0.58 1.0E-102 10947053 NT	1.0E-102 BE783051.1   EST_HUMAN	35035 0.91 1.0E-102 BE910555.1 EST_HUMAN   601501107F1 NIH_MGC_70 Homo sapiens cDNA clone IMAGE:3903145 6	1.0E-102 AV694817.1 EST_HUMAN	1 EST_HUMAN	0.74 1.0E-102 AB007823.1 INT	0.73 1.0E-102 BE388063.1 EST_HUMAN	0.73 1.0E-102 BE388063.1 EST_HUMAN	7	38082 0.56 1.0E-102 AI762859.1 EST_HUMAN MER4 MER4 repeditive element;	0.89 1.0E-102 AV766842.1 EST_HUMAN	2.15 1.0E-102 T70383.1 EST_HUMAN	2.16 1.0E-102 T70383.1 EST_HUMAN	1 EST_HUMAN	0.71 1.0E-102 AF153715.1 NT	125430 NT	0.43 1.0E-102 11425430 NT	. EST HUMAN	37255 3 1.0E-102 AB05037.1 EST HUMAN RC-BT074-280489-014 BT074 Homo septens cDNA	an57h04.s1 Soares_NFL_T_GBC_S1 Homo septems cDNA done IMAGE:1560823 3' smiler to smaller to SW:CAV2_HUMAN P51636 CAVEOLIN-2. [1];	2.36 1.0E-102 4507822 NT	2.36 1.0E-102 4507822/NT	2.7 1.0E-102 BF359243.1 EST_HUMAN	4.74 1.0E-102 U41302.1 NT	5.67 1.0E-102 U57053.1 NT	2.49 1.0E-102 AL163280.2 NT	31746 4.15 1.0E-102 AW300862.1 EST_HUMAN  XIO7C12.X1 NCI_CGAP_CO20 Homo septens cDNA cone IMAGE:2000V38 3
	D NO:											<u>.</u>																		·	l_		Ц
Pag.	<i>w</i>	7343 20314	L	<u> </u>	L	L	يــــــــــــــــــــــــــــــــــــــ	8565 21533		8839 21806			L.		1_	9606 22610		ı	9676 22629	ł		l	10798 23719	1	10835 23755			11410 24354		l		Ш	ш
Pobe	SEQ ID						0			, <b>**</b>	, <b>60</b>				L		6	6			2	٩	٩	2	2	٤	= =	-	٢		Ľ	٣	۲

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Table 4
Single Exon Probes Expressed In Bone Marrow

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gie Exon Plobes Expressed ill borre mail ow	Top Hit Descriptor Source	Im58k05x1 NCI_CGAP_Bm25 Hamo sepiens cDNA done IMAGE:2162289 3' similar to TR:Q13789 EST_HUMAN Q13789 ANONYMOUS.;	(bn58b05.x1 NCI_CGAP_Bm25 Homo sepiens cDNA done IMAGE:2162289 3' similar to TR:Q13789 EST_HUMAN Q13789 ANONYMOUS.;	Homo sapiens dystrophin (muscular dystrophy, Ducherne and Becker types), includes DXS142, DXS164, DXS206, DXS206, DXS230, DXS239, DXS269, DXS270, DXS272 (DMD), transcript variant Dp427m, mFNA	Homo sapiens dystrophin (muscular dystrophy, Duchenne and Becker types), includes DXS142, DXS164, DXS206, DXS230, DXS239, DXS288, DXS289, DXS2	mRNA	Homo expiens ribosomal protein L3-life (RPL3L), mRNA	Homo sapiens KIAA0851 gene (partial), XT3 gene and LZTFL1 gene	EST HUMAN EST377849 MAGE resequences, MAGI Homo sepiems cDNA	EST_HUMAN   601671637F1 NIH_MGC_56 Hamo septens aDNA dane BNAGE:3838545 5	hn58b05.x1 NC _CGAP_Brn25 Homo septens dDNA dane IMAGE:2162289 3' stritter to TR-013789 EST HUMAN   Q13769 ANONYMOUS.;	Im68b06.x1 NCI_CGAP_Bm26 Homo sepiens cDNA clone IMAGE:2162289 3' shrifer to TR:Q13769 EST HUMAN Q13789 ANONYMOUS.:	Т	Γ	П	7760603.x1 Sogres_NSF_P8_9W_OT_PA_P_S1 Homo sapiens cDNA clane IMAGE:3525964 3' similar to SST HUMAN SW-PTNF HUMAN Q16825 PROTEIN-TYROSINE PHOSPHATASE D1;	Т	Homo sepiers triple functional domain (PTPRF trisrecting) (TRIO), mRNA	Ind13c02.s1 NCI_CGAP_Ov1 Homo sapiens cDNA clone IMAGE:800162 3' stritier to gb:1.02428 28S  EST_HUMAN PROTEASE SUBUNIT 4 (HUMAN);		NT H. sapiers mRNA for latent transforming growth factor-beta binding protein (LTBP-2)	Т	au51g04.y1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2518326 5' similar to EST_HUMAN TR:015046 015046 KIAA0338;
		EST	EST	뒫		Ę	보	¥	EST	EST	EST	LS.	EST	EST	EST	EST	뉟	호	EST	ES	뉟	EST	EST
elfille	Top Hit Acession No.	1.0E-103 AI590071.1	1.0E-103 Al590071.1	6082282 NT		6082282 NT	11431100 NT	1.0E-103 A.1289880.1	1.0E-103 AW965778.1	1.0E-103 BE748158.1	1.0E-103 Al590071.1	1 0F-103 AFS0071 1	131080.1	1.0E-103 AU140344.1	1.0E-103 AU140344:1	1.0E-103 BF106244.1	B005921 NT	6005921 NT	1.0E-103 AA581088.1	AA774080.1	4 0E-403 737978 4	1.0E-103 AW963676.1	1.0E-103 AI878956.1
	Most Similar (Top) Hit BLAST E Value	1.0E-103	1.0E-103	1.0E-103		1.0E-103	1.0E-103	1.0E-103	1.0E-103	1.0E-103	1.0E-103	1.05-103	1.0E-103 T31080.1	1.05-103	1.0E-103	1.05-103	1.0E-103	1.0E-103	1.0E-103	1 05-103	4 OF 403	1.05-103	
	Expression	1.47	1.47	1.73		1.73	1.62	1.06	2.68	3.47	3.60	9,60	0.43	0.92	0.92	1.06	288	2.86	1.13	0.48	7 28	1.81	10.03
	ORF SEQ ID NO:	33229	33230			31278	31237	33589	33768	33874	34384		35022			36441	35865	35868	35908	SEOFE			
	Exan SEQ ID NO:	19931	19931	18356		18356	18393	20255	20404	20519	20088	37088	7,600	7834	21834	22017	22427	22427	22487	22507	22340	23381	23520
	Probe SEQ ID NO:	6879	6879	7024		7024	7181	7234	7437	7558	8051	) year	8632	8988	8888	9051	9463	8	858	96.44	4046	10459	10598

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Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
11004	23970	37494	1.64	1.05-103	1.0E-103 BE549708.1	EST_HUMAN	7b41f03x1 NCI_CGAP_Lu24 Home septens cDNA done IMAGE:3230813 3' striiter to gb:M68043 MAJOR HISTOCOMPATIBILITY COMPLEX ENHANCER-BINDING PROTEIN (HUMAN);
11085	24046	37668	3.88	1.0E-103	1.0E-103 AI792759.1	EST_HUMAN	olozatoči y Sinci CGAP Jubi Homo saplens dDNA clone IMAGE:1522283 5' stmilar to TR:062084 Q62084 PHOSPHOLIPASE C NEIGHBORING ;
11183	24139	37872	1.89	1,05-103	11424061 NT	¥	Homo expiens AXL receptor tyrosine Idnase (AXL), mRNA
11183	L.	37673	1.89	1.0E-103	11424061 NT	¥	Homo sepiens AXL receptor tyrosine kinase (AXL), mRNA
11341	24291		1.48		1.0E-103 BE671418.1	EST HUMAN	7e50f08.x1 NCI_CGAP_LL24 Homo sepiens cDNA clone IMAGE:3285627 3' similar to gb:J05272 INOSINE- 5-MONOPHOSPHATE DEHYDROGENASE 1 (HUMAN);
158	24509	38066	9		1.0E-103 BE886279.1	EST HUMAN	601506347F1 NIH _MGC_71 Homo septens cDNA clone IMAGE:3909147 67
11702	L		2.59		1.0E-103 AU138283.1	EST_HUMAN	AU136283 PLACE1 Homo sapiens cDNA clone PLACE1003923 5
11774	23929	37450	1912	1.0E-103 L43610.1	L43610.1	Ę	Homo sapiens polycystic kidney disease (PKD1) gene, exone 27-30
11980	24857		1.47	1.0E-103	1.0E-103 AB024759.1	ΝŢ	Hamo sepiens TSA305 gene, exan 16
12047	24920	38516	2.25	1.0E-103	1.0E-103 BE644611.1	EST HUMAN	7e88e10.x1 Sceres_NSF_FB_9W_OT_PA_P_S1 Homo septens cDNA clone IMAGE:3287610 3' struiter to contains MER29.t3 MER29 repetitive element;
				10,			Homo sepiens mannosidese, beta A, fysosomel (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3
12208	25049		1.85	1.05-103	1.0E-103 AF224008.1 NI	Z	(100-24-0) genes, conjugate des Homo sepiens hypothetical protein FLJ20454 (FLJ20454), mRNA
12410	L	31820	4.32	1.0E-103	1.0E-103 AB011399.1	Z	Homo sepiens gene for AF-8, complete cds
238				1.0E-104	1.0E-104 AL037549.3	EST HUMAN	DKFZp564H1072_r1 564 (synanym: http:// Hamo sapiens cDNA clane DKFZp564H1072 5
88	13336		1.65	1.0E-104	1.0E-104 AL037549.3	EST_HUMAN	DKFZp584H1072_r1 584 (synanym: hfbr2) Hamo sapiens cDNA clane DKFZp584H1072 5
1905	14929		1.86	1.0E-104	2428	¥	Homo sapiens bane morphogenetic protein 8 (osteogenic protein 2) (BMP8) mRNA
2283	15218		2.52	1.0E-104	1.0E-104 AA132975.1	EST HUMAN	2022006.s1 Strategene odon (#837204) Homo septens cDNA done IMAGE-567628 3' similar to gb.Z14116 ma1 CD59 GLYCOPROTEIN PRECURSOR (HUMAN);
22.4	<b>i</b>			1.0E-104	1.0E-104 BE744628.1	Γ	801577480F1 NIH_MGC_9 Homo sepiens cDNA clone IMAGE:3928438 5
7752	15385			1.0E-104	1.0E-104 BF334221.1	EST_HUMAN	RC1-CT0249-110900-214-f12 CT0249 Homo sapiens cDNA
7782	15385	28409	1.02		BF334221.1	EST_HUMAN	RC1-CT0249-110900-214-f12 CT0249 Homo sapiens cDNA
2444	15450		2.43	1.0E-104	5031570	Į.	Homo sepiens ARP2 (actin-related protein 2, yeast) homolog (ACTR2), mRNA
2882	15941		7.18			N	Human fymphocytio antigen CDS9MEW43 mRNA, complete ods
72827	15985		2.84	i '		NT	H.sapiens gene encoding phenylpyruvate tautomerase II
3277	16831	29252	6.0	1.0E-104	1.0E-104 AU133028.1	EST_HUMAN	AU133828 OVARC1 Homo sapiens cDNA clone OVARC1000836 5
3402	16451		1.88	1.0E-104	1.0E-104 AA319436.1	EST_HUMAN	EST21668 Adrenal gland tumor Homo septems cDNA 5' end
3615				1.0E-104		Į.	Homo sepiens mRNA for KIAA1276 protein, peritel cds
3615		29578		1.0E-104		Ę	Homo sepiens mRNA for KIAA1276 protein, pertial cds
3963	17003		0.94	1.0E-104	1.0E-104 AB032998.1	Ę	Homo sepiens mRNA for KIAA1172 protein, perital cds
							•

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Single Exon Probes Expressed in Bone Marrow

ngie Exon Probes Expressed in borre marrom	Top Hit Descriptor	HSC31A071 normalized infant brain cDNA Homo sapiens cDNA clone c-31a07	Human mRNA for fibranactin (FN precursor)	Homo sapiens diromosome 21 unknown mRNA	Homo sapiens chromosome 21 unimown mRNA	Homo sapiens novel centrosomal protein Kambrim (Kambrim), mirana	Homo explens erythropoletin (EPO) gene, exans 4 and 5 and complete cas	Homo sapiens erythropoletin (EPO) gene, excris 4 and 5 and complete cos	Human Down Syndrome region of chromosome 21 DNA	Human Down Syndrome region of chromosome 21 DNA	Homo sapiens aik3 mRNA for Aurora/pi1-related kinase 3, comprete cds	wid3b12x1 NCL_CGAP_KId12 Home septens cDNA come IMAGE:2401 /2/ 3 similar to 1 Ktu14143 L11443 KIA40132 PROTEIN. contains element LTR7 repetitive element;	W03512.XT NCI_OGAP_KId12 Homo saplens cDNA clone IMAGE:2401727 3' similer to TR:Q14145 Q14145 KIAA0132 PROTEIN combine element LTR7 repetitive element :	Homo sepiens PDZ domein-contening guarrine nucleotide eachange factor I (LOC51735), mRNA	R01150451F1 NIH MGC 19 Homo septens cDNA clone IMAGE:3503220 5	601150451F1 NIH_MGC_19 Homo septens cDNA clone IMAGE:3503220 5	Homo septems adaptor-related protein complex 2, beta 1 subunit (AP2B1), mRNA	ULH-BI4-cow-b-09-0-UI.s1 NCI_CGAP_Sub8 Hamo septens cDNA clane IMAGE:30861763	nad16g11 x1 NCI_CGAP_Lu24 Home expiens cDNA done IMAGE:3365948 3'	298b05.s1 Scenes fetal liver spleen 1NRLS_S1 Homo sepiens cDNA clone IMAGE:462897 3	yessf02.r1 Sognes infant brain 1NIB Homo sepiens cDNA clone IMAGE::22440 5	Homo saplems Trio Isoform mRNA, complete cds	Homo esplans Trio Isoform mRNA, complete cds	[L3-HT0619-080800-249-F07 HT0618 Homo sapiens d.NA	ILS-HT0819-080900-240-F07 HT0819 Homo sapiens CUNA	MITERIOZAT Sogres_NRL_T_GBC_S1 Hamo explens GUNA clane IMAGE: 2003023 3 Samiliar to INSULATIOS (224116 HYPOTHETICAL 29.4 KD PROTEIN.;	xd78d02x1 Soeres_NFL_T_GBC_S1 Homo sepiens cDNA clone IMAGE:2803523 3' similar to TR:Q24116 IMPOTHETICAL 29.4 KD PROTEIN .:	Home contract between another markets MORF mRNA, complete cds	RATERITARY NIH MAC 7 Homo semiens CDNA clone DAAGE 3835977 5	CONTROL OF THE WAY THOUSAND CONTROL OF THE CANADA C	AVITABLIST NIT MOVE I TOUR SEPTEMBLE WORLD WAS INVESTIGATED TO THE WAY AVITABLIST OF THE	AV/280/UTIOTRAID SANSIB CON CONTROL OF THE CONTROL
Son Propes	Top Hit Dedebase Source	EST_HUMAN	N <sub>T</sub>	١	7	Ę	M	NT	NT	Z	Ę	EST HUMAN	Eer UniMAN	NT IN	EST LIMAN	EST HUMAN	Ę	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Ŋ.	뒫	EST_HUMAN	EST HUMAN	EST HUMAN	EST HIMAN		NI ECT LIMAN	LOUIS LOUIS	EST HUMAN	EST HUMAN
Single I	Top Hit Acession No.	F11745.1	X02761.1	3.1	1.0E-104 AF231920.1	4885570 NT	1.0E-104 AF202314.1	1.0E-104 AF202314.1	U43379.1	U43379.1	1.0E-104 ABO17332.1	1.0E-104 AI788797.1	- TOWNS 4	1.0E-104 A1/00/8/	DE9444094	1.0E-104 BE314182.1	11425572 NT	1.0E-104 BF509244.1	1.0E-104 BF448230.1	1.0E-104 AA682308.1	1.0E-104 T74219.1	1.0E-104 AF091395.1	1.0E-104 AF091395.1	BF352841.1	1.0E-104 BF352841.1	1.0E-104 AW103848.1	A18/40/20/0 4	TOE-TO-LONG	1.0E-104 AF113514.1	1.0E-104 BE/VI/13.1	1.0E-104 BE791713.1	1.0E-104 AV728070.1
	Most Similar (Top) Hit BLAST E Value	1.0E-104 F11745.1	1.0E-104 X0Z761.1	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104 U43379.1	1.0E-104 U43379.1	1.0E-104	1.0E-104		1.05-104	707 107	4.00-104	1.0E-104	1.0E-104	1.0E-19	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	1.0E-104	400 404	21-10:1	1.0E-104	1	l	1.01-104 41-104
	Expression Signal	0.88	4.11	1.44	1.44	1.02	0.83	0.83	1.44	4.4	0.89	24.48		24.45	1000	1.83	2.14	0.74	3.56	0.63	12	4.58	. 4.58	4.97	4.97	0.68		80.0	0.62	3.35	3.35	1.36
İ	ORF SEQ ED NO:	30076	30317	30547	30548	31132	31158	31169	32338	32339	32398	32045		32846	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	33522 83524	33756	35335	35932		L	36073		L		36516	L					37182
	Exan SEQ ID NO:	17187	17432	17680	Ĺ	18263	L		L	19131	1_	10680	1	888	-	20196	L			L	Ŀ.		22822	L	<u>L</u>	<u> </u>	<u> </u>	┙	┙			23686
	Probe SEQ ID NO:	4156	4	4639	4639	6256	5282	2829	99	0508	918	\$	3	88	8	8873 2708	7436	8044	9522	9618	6836	6988	88	92/6	97.6	40444		10111	10307	10453	10453	10765

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Single Exon Probes Expressed in Bone Marrow

						1 2221 1 1102	igle Exoli Flobes Expressed III Dolle Mailow
Probe SEQ 10 NO:	SEO ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vatue	Top Hit Acession No.	Top Hit Detrebesse Source	Top Hit Descriptor
10808	23729		5.11	1.0E-104	1.0E-104 AU130765.1	EST_HUMAN	AU130765 NT2RP3 Homo septens cONA clone NT2RP3001398 57
10917	23837	37353	4.5	1.0E-104	1.0E-104 U68535.1	NT	Human beta4-integrin (ITGB4) gene, exons 19,20,21,22,23,24 and 25
10931	23851		0.82	1.0E-104	11427757 NT	TN	Homo saplens KIAA0649 gane product (KIAA0649), mRNA
11629	24667	38129	3.00	1.0E-104	1.0E-104 BE720191.1	EST_HUMAN	RCO-HT0885-310700-021-b09 HT0885 Homo sapiens cDNA
11629	24567	38130	3.09	1.0E-104	1.0E-104 BE720191.1	EST HUMAN	RCO-HT0885-310700-021-b09 HT0886 Homo sapiens cDNA
11658	24592	38165	3.48	1.0E-104	1.0E-104 BF684288.1	EST_HUMAN	602141215F1 NIH_MGC_46 Hamo septems cDNA clame IMAGE-4302507 5
12988	25548		1.43	1.0E-104	1.0E-104 BE393892.1	EST_HUMAN	601312181F1 NIH_MGC_44 Hamo saplens cDNA clone IMAGE:3658676 5
8/2	15810	26302	1.61	1.0E-105		Į.	Homo septens emykoid beta (A4) precursor protein (protesse nextr-II, Atzheimer disesse) (APP), mRNA
425			9.28	1.0E-105	4505150 NT	¥	Hamo septems Meist (mouse) hamolog (MEIS1) mRNA
206	13683	28576	3.89	1.0E-105	1.0E-105 AF032897.1	NT	Homo sapiens potassium channel subunit (HERG-3) mRNA, complete cds
963	13663		3.89	1.0E-105		NT	Homo sapiens potassium channel subunit (HERG-3) mRNA, complete cds
1689	14720		233	1.0E-105	1.0E-105 AB020981.1	IN	Hamo sapiens mRNA for cyclin B2, complete ads
1837	14864	27862	1.47	1.0E-105	1.0E-105 AL 163280.2	NT	Homo saplens chromosome 21 segment HS21C080
1943			2.09	1.0E-105 D50918.1		NT	Human mRNA for KIAA0128 gene, partial cds
2189	15214	78234	2	1.0E-105	1.0E-105 AA318369.1	EST_HUMAN	EST20609 Spiesn I Horno sapiens cDNA 5' end similar to autoimmune antigen Ku, p70/p80 subunit
2731	15725		1.07	1.0E-105	1.0E-105 AA584808.1	EST_HUMAN	no10d05.s1 NCL_CGAP_Phe1 Hamo sepiens cDNA clone IMAGE:1100265 3'
3018	16076		3.14	1.0E-105	1.0E-105 AJ229041.1	NT	Hamo saplens 959 lib config between AML1 and CBR1 on chromosome 21q22; segment 1/3
3362			1.11	1.0E-105	7304822 NT	NT	Homo sepiens bromodomein edjacent to zho finger domain, 28 (BAZ2B), mRNA
3362	16412		1.11	1.0E-105	7304822		Homo saplens bromodomain adjacent to zinc finger domain, 28 (BAZ2B), mRNA
4125			3.14	1.0E-105	1	EST_HUMAN	EST373781 MAGE resequences, MAGG Hamo septens cDNA
4773	17788		0.69	1.0E-105	1.0E-105 BE88881.1	EST_HUMAN	601445823F1 NIH_MGC_65 Hamo sepiens cDNA clane IMAGE:3850156 5
4773	17783		0.69	1.0E-106	1.0E-105 BE868881.1	EST_HUMAN	801445823F1 NIH_MGC_65 Hamo sapiens cDNA dane IMAGE:3850158 5
. 4788	17810	30702	1.65	1.0E-105	1.0E-105 AA698335.1	EST_HUMAN	z44g02.s1 Scenes_fetal_liver_sploan_1NFLS_S1 Hamo sapiens aDNA dane IMAGE:4336823'
4976			4.04	1.0E-105	2	NT	Hamo septens chramosome 21 segment HS21C008
5147		31036	1.21	1.0E-105		M	Homo sapiens mRNA for KIAA0798 protein, partial cds
5403		31383	0.7	1.0E-105	AF016704.1	MT	Homo sepiens E6-AP ubiquitin-protein ligase (UBE3A) gene, exon 2
5471			1.02	1.0E-105	11420134 NT	F	Homo sapiens Retina-derived POU-domain factor-1 (RPF-1), mRNA
7089			1.57	1.0E-105		EST_HUMAN	601901028F1 NIH_MGC_19 Hamo sepiens cDNA clone IMAGE:4130334 5
7089	20023	33326	1.57	1.0E-105	1.0E-105 BF314302.1	EST HUMAN	601801028F1 NIH_MGC_19 Hamo septens aDNA clans IMAGE:4130334 5
7174		31203	3.49	1.0E-105	11419198 NT	¥	Homo sapiens GTP ase activating protein-like (GAPL), mRNA
7174			3.49	1.0E-105	19196	¥	Homo sepiens GTP ase activating protein-like (GAPL), mRNA
7223	•		0.56	1.0E-105	.1	EST HUMAN	EST363689 MAGE resequences, MAGB Homo sepiens cDNA
7501	20468	33827	0.69	1.0E-105	1.0E-105 BE902616.1	EST_HUMAN	601677279F1 NIH_MGC_21 Hamp sapiens cDNA clane IMAGE:3960019 5

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		OSCIOLATION OF THE PROPERTY OF	NA done nibowaz	SE;		A clane IMAGE:2711782 3		2 1700 LEI	04/004 5	04/004 0	s, enerthanvery spinced			4AGE:2535301 3' similar to TR:P87892	COURSE CONTRACTOR	3574291 3' similar to TK:P97680 P97680			1 07 00 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ACTO INACE SU/8546 5	CLEAUS 3			The state of the s	, excit 4, parties cas	n 41	63/302 3' STRIKET TO CONTRAINS ENGINEAR	937352 3' similar to contains element			10000	ne (EUA), etch 2 end henving repeat.
	Top Hit Descriptor	Human mRNA for dbl proto-oncogana	EST02975 Fetal brain, Stratagene (cathe36206) Homo septetts GLAVA done ninbursa.	ws50c10.x1 NCI_CGAP_Bm25 Homo septens cDNA ctore IMAGE:2500625 3' smitter to SW-ACSA_PENCH P36333 ACETYL-COENZYME A SYNTHETASE;	RC1-CN0008-070100-011-605 CN0008 Homo septens cDNA	UI-H-Blop-abi-b-12-0-UI.s1 NCI_CGAP_Sub2 Homo saplens cDNA clane IMAGE:27117823	QV2-OT0062-140300-083-d09 OT0062 Homo sapiens cDNA	QV2-OT0062-140300-083-d09 OT0062 Homo sapiens cUNA	601443755F1 NIH_MGC_65 Homo saptens curve clore Invalue: 3047694 3	801443755F1 NIH MGC 65 Hamo sapiens CUNA ciane IMAGE 3047604 3	Homo saplens SMARCA4 isoform (SMARCA4) gene, complete cds, aramatuvery spiliced	Homo septens COLAA6 gene for a6(IV) collegen, exon 31	Homo sapiens Ran binding protein 11 (LOC51194), mRNA	w/74f07.x1 Sogres, frymus, NHFTh Home sepiens cDNA clone IMAGE:2535301 3' similar to TR-P87892	P87892 PROTEASE;	7618c10.x1 NCL_CGAP_Kid11 Homo sepiens CDNA clone IMAGE:3574291 3' similar to 1 K:197680 P97680	RIN1.;	Hamo sapiens gene for Smad 3, exon 2 and 3	Homo sepiens gene for Smed 3, exch 2 and 3	ULHF-BNO-ak-g-07-0-ULH NIH_MGC_50 Hamo sapiens duna dane imaket 30/8346 3	Terracol x1 NCI CGAP Util Homo sepiens cDNA clone IMAGE:2215008 3	EST377829 MAGE resequences, MAGI Homo saplens CLINA	Human dihydrofolate reductase pseudogene (psi-htd1)	Human dihydrofolate reductase pseudogene (partrar)	Human epidemal growth factor receptor (ECFTK) precursor-mistry, excit 4, parter was	Homo sapiens type IV collagen alpha 5 chain (COLAA5) gene, exon 41	Ing41c05.s1 NCI_CGAP_Co3 Homo septens cDNA clone MAGE5537362 3' Smiter to contains eveneral. LTR3 repetitive element;	Ing41c05.s1 NCI_CGAP_Co3 Homo sepiens cDNA clone IMAGE-937352 3' similar to contains element	LTR3 repetitive element;	MRo-HT0165-140200-008-d10 HT0165 Homo sapiens cDNA	Hamo sepiens glutathiane S-transferese thera 1 (GS   11), mixwa	Homo sapiens X-tinked enhichcitio ectodermal dysplasta protein gene (EDA), etch 2 and hanking repeat regions
	Top Hit Databese Source	M	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	NT	LN LN	N.		<b>EST_HUMAN</b>		EST_HUMAN	¥	F	EST_HUMAN	EST_HUMAN	EST_HUMAN	F	Į.	M	NT	EST HUMAN		EST_HUMAN	EST_HUMAN	M	ᅜ
28.0	Tap Hit Acesslan No.			\W007194.1	W840817.1	1.0E-106 AWO16879.1	1.0E-105 AW882372.1	1.0E-105 AW882372.1	3E867783.1	3E867783.1	NF254822.1	<b>J63648.1</b>	7705936 NT		1.0E-105 AW027554.1		3F430921.1	1.0E-105 AB004924.1	1.0E-105 AB004924.1	1.0E-106 AW503208.1	1.0E-106 AIS85085.1	1.0E-108 AW985558.1	J00146.1	J00148.1	U48724.1	U04510.1	1 0F-108 AA527448 1		1.0E-106 AA527446.1	1.0E-106 BE144286.1	4604184 NT	1.0E-106 AF003528.1
}	Most Similar (Top) Hit BLAST E Value	1.0E-105 X12558.1	1.0E-105 T05087.1	1.0E-105 AW007194	1.0E-105 AW840817	1.0E-105	1.0E-105	1.0E-105	1.0E-105 BE867793	1.0E-105 BE867783.	1.0E-105 AF254822	1.0E-105 D63648.1	1.0E-105		1.0E-105		1.0E-105 BF430921.	1.0E-105	1.0E-105	1.0E-106	1.0E-108	1.0E-108	1.0E-106 J00146.1	1.0E-108 J00148.1	1.0E-108 U48724.1	1.0E-108 U04510.1	4 OF-408		1.0E-106	<u> </u>	1.0E-106	
	Expression Signal	1.88	6.09	1.52	0.75	3.19	16.0	0.9H	0.76	0.78	4.59	1.61	283		281		2.56	1.5	1.5	1.76	1.59	223	3.07	1.71	4.6	1.01	4.77		4.27	1.52	3,89	1.07
	ORF SEQ ID NO:	34572	34743	35132	35875	35805	32868	35969	36262	36263	37756	38061	38400	3	38388		38457	38572	L		26235			26589		l		].	27840			<b>\</b>
	Exem SEQ ID NO:	21162	21331	2 70	22248				1	1	1.	1_			24795	1	24861		ı	1	┸	١.		_	l_		1		14847		Ľ	I i
	Probe SEQ ID NO:	8482	SSS	87.44	5 6	802	8998	8538	9288	9268	41278	11584	1481		11914		11984	12194	12/04	152	28	35	209	8	4712	1730	1	3	1820	732	22.55	2512

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Top Hit Descriptor	A HASSEN HEARBY Home serviews cONA close HEARBA1000129 5	WILLIAM I I MIN OF THE PROPERTY OF THE PROPERT	60158433111 NIH MGC 9 Hand sapiens CONA Giate IMAGE. 3940403 5	601594331F1 NIH_MGC_9 Hamo sapiens cDNA clane IMAGE:3948463 5	er68e07.x1 Berstead earta HPLRB6 Homo sepiens cDNA clone IMAGE:2127732 3' similar to gb:X06233 CALGRANULIN B (HUMAN);	601282717F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3604493 5	601282717F1 NIH_MGC_44 Hamo septems cDNA clane IMAGE:3604463 5	ty82205.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE-2283632 3" similar to SW:ICA6_HUMAN Q05084 69 KD ISLET CELL AUTOANTIGEN ;	w.038-003.x1 Soares_Dieckgraafe_colon_NHCD Homo sapiens cDNA clone IMAGE:2622308 3' similar to TR:070273 070273 ETS HOMOLOGOUS FACTOR;	CM4-LT0059-150200-098-e08 LT0059 Hamo septens cDNA	oc67e08.s1 NCI_CGAP_GCB1 Hamo saplens cDNA clone IMAGE:1354790 3'	x67e08.s1 NCI_CGAP_GCB1 Hamo septens cDNA clone IMAGE:1354790 3"	cn03e04.yr Normal Human Trabecular Bone Cells Homo saplens cDNA clone NHTBC_cn03e04 random	tm41f02.x1 NCI_CGAP_Kid11 Homo septens cDNA clone IMAGE:2160699 3' similar to contains MSR1.t3 TARY PTR5 reportition element:	TAXII INCIDENTIALII	tind 1102.XT NCI_CX3AP_Kid11 Hamo septens c.JNA ciane IMALEE:Z1000665 3 striller to conteins insert i.s. TAR1 PTR5 repetitive element;	601282387F1 NIH_MGC_44 Homo septents cDNA clone IMAGE:3804217 6	601671674F1 NIH_MGC_20 Homo saptens cDNA clone IMAGE:3954403 6	601671674F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:3954403 5	np57b10.s1 NCI_CGAP_Br2 Homo sepiens cDNA clone IMAGE:1130385 3	np57b10.s1 NCI_CGAP_Br2 Hamo septems cDNA clane IMAGE:11303963	RCo-CT0318-201199-031-e/1 CT0318 Homo sapiens cDNA	Homo sapiens multimerin (MMRN), mRNA	Homo septiens multimentn (MMRN), mRNA	DKFZp434F0712_r1 434 (syncnym: htes3) Homo sapiens cDNA clone DKFZp434F0712 5	Homo sepiens chromosome 21 segment HS21C002	601453461F1 NIH_MGC_68 Hamo sepiens cDNA clane IMAGE:3857368 5	601453461F1 NIH_MGC_66 Hamo sapiens cDNA clone IMAGE:3857366 5	Human ryamodine receptor mRNA, complete ods	Human ryanodine receptor mixNA, complete cas
Top Hit Database Source	Т	Т	EST HUMAN	EST_HUMAN	EST HUMAN		EST_HUMAN	EST_HUMAN		EST_HUMAN			EST HUMAN		NAME OF THE PERSON		EST_HUMAN	П	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	NT	Z	<b>EST_HUMAN</b>	NT ·	EST_HUMAN	EST_HUMAN	¥	¥
Top Hit Acession No.	T	1		1.0E-106 BE741408.1						1.0E-106 AW838831.1	1.0E-106 AA825307.1	1.0E-106 AA825307.1	N750447.1	7.0000.71	1.47.9009.1	1479569.1	1.0E-106 BE389234.1	1.0E-106 BF027310.1	1.0E-106 BF027310.1	1.0E-106 AA604417.1	1.0E-108 AA604417.1	1.0E-106 AW383299.1	11436432	11436432 NT	1.0E-106 ALC39888.1	1.0E-106 AL163202.2	1.0E-106 BF032755.1	1.0E-106 BF032755.1	J05200.1	105200.1
Most Similar (Top) Hit BLAST E		1.0E-100	1.0E-108	1.0E-106	1.0E-106 AI523086.1	1.0E-108	1.0E-106	1.0E-108 AI854123.1	1.0E-106 AI981109.1	1.0E-106	1.0E-106	1.0E-106	1.0E-106 AI750447.1	20, 10,	1.0E-100 AM/ 9309.1	1.0E-108 AI479569.1	1.0E-106	1.0E-108	1.0E-108	1.0E-108	1.0E-108	1.0E-106	1.0E-108	1.0E-106	1.0E-106	1.0E-106	1.0E-106	1.0E-106	1.0E-106 J05200.1	1.0E-106(J05200.1
Expression Signal	1	0.63	5.05	5.05	108.67	0.78	0.78	88	0.53	0.87	247	247	1.55		LØ.L	1.81	1.22	0.92	0.92	5.48	5.48	1.58	9.0	0.5	0.40			4.84		2.76
ORF SEQ ID NO:			34699	34700	34897				L.		35906				19108	36182	36761		36857	37017	37018		37071		37249			37714		37880
Exam SEQ ID NO:			21286	L.		1	1			22372	22466	22466	22585	1_	CZ172	22726	23284	23366	23366	23523	23523	1_		L_				24195	24346	24346
Probe SEQ ID NO:		8119	8317	8317	8515	8978	8976	9054	0906	207	9502	8502	9841		9784	9784	10361	10444	194	10801	10601	10648	10653	10653	10827	1094	11242	11242	11402	11402

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	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acessian No.	Top Hit Database Source	Top Hit Descriptor
5095	18701	31674	227	1.0E-108	1.0E-108 BE869016.1	EST_HUMAN	801444822F1 NIH MGC 65 Homo septens cDNA clone MAGE:3848980 5"
9809	19119		8.0		1.0E-108 AF012623.1	۲	Homo saplens familia mental retandation protein 2 (FMR2) gene, exon 20
6117	19195	32419	28'0	1.0E-108	1.0E-108 BF334851.1	EST_HUMAN	PAM-CT0403-240700-001-c10 CT0403 Homo sepiens cDNA
2929	18335	32567	627		1.0E-108 AF284717.1	Ę	Homo sepiens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP2 mRNA, complete cds
6282	19335				1.0E-108 AF264717.1	Ę	Homo sepiens FWE domain-containing dual specificity protein phosphatase FWE-DSP2 mRNA, complete ods
600	10460		1.20	1 OF-108	1 0F-108 A 1439289 1	5	Homo sapiens cavedin-1/-2 locus, Config1, D7S522, genes CAV2 (exons 1, 2a, and 2b), CAV1 (exons 1 and 2).
200	19195	32419		1.0E-108	BF334851.1	EST HUMAN	PMA-CT0403-240700-001-c10 CT0403 Hamp septems cDNA
6773	10828	33110			1.0E-108 AF016708.1		Homo sapiens E8-AP ubiquitin-probah ligasa (UBE3A) gene, excn 4
6773	18828	33111	0.67	1.0E-108	1.0E-108 AF016706.1	Ę	Homo sapiens E6-AP ubiquitin-protein ligase (UBE3A) gane, excn 4
7365	20335	33685	5.42		11431857 NT	Ŋ	Homo sapiens G protein-coupled receptor, family C, group 5, member B (GPRC5B), mRNA
7673	20631	33095	1,98	1.0E-108	4758333 NT	F	Homo septens delta-6 texty exid deseturase (FADSD6) mRNA
7718	20675	34041	1.13		1.0E-108 BE252507.1	EST HUMAN	601113471F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3364064 67
7749	20702			1.0E-108	1.0E-108 BF528912.1	EST HUMAN	602043384F1 NCI_CGAP_Bm67 Homo saptens cDNA clone IMACE:4181037 5
2740	20702	34070	89.0	1.0E-108	1.0E-108]BF528912.1	EST_HUMAN	602043384F1 NCL_CGAP_Bm67 Hamo septens cDNA clone IMAGE:4181037 5
8149	21086	34485	25.0	1.05-108	11422156 NT	<u> </u>	Homo sapiens cystic fibrosis transmembrane conductance regulator, ATP-binding cassettie (sub-family C, member 7) (CFTR), mRNA
8380	21368			1.0E-108	1.0E-108 AF083500.1	Į.	Homo sepiens connective tissue growth factor-like protein precursor, mRNA, complete cds
8462	242	34835	5.44	1.0E-108	1.0E-108 AW 408694.1	EST HUMAN	UHIF-BMO-ada-e-12-0-Ul.r1 NIH_MGC_38 Homo sepiens aDNA done IMAGE:3062878 6
8452	21421	34836	5.44	1.0E-108	1.0E-108 AW408694.1	EST HUMAN	UHIF-BIMD-ads-e-12-Q-UI.r1 NIH_MGC_38 Homo septems cDNA clone IMAGE:3062878 5
2070	22367	35800	95'0	1.0E-108	1.0E-108 AF 203977.1	NT	Homo septens ETS-family transcription factor EHF (EHF) mRNA, complete cds
1448	22405	35842	0.48	1.0E-108 N44974.1	N44974.1	EST_HUMAN	yy86h10.r1 Sceres melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:273283 5' similar to PIR:A45773 A5773 kelch protein, long form - fruit ffy;
							Homo sepiens similar to high-mobility group (nonhistone chromosomal) protein 4 (H. sepiens) (I.OC63446),
10983	23903	37417		1.0E-108	11428155 NT		mana
11027	21040	34439	2.14	1.0E-108	1.0E-108 BE535227.1	EST HUMAN	801058789F1 NIH_MGC_10 Homo septens cDNA done IMAGE:3445361 67
11177	18353	31298	1.64	1.0E-108 Y12490.1	Y12490.1	NT	Homo sepiens mRNA for Golgi-associated microtubule-binding protein (GMAP-210)
11602	24540	38099	27,18		1.0E-108 AW966185.1	EST_HUMAN	EST378258 MAGE resequences, MAGI Homo septems cDNA
11653	24590	38160	1.75		1.0E-108 AV708790.1	EST_HUMAN	AV708790 ADC Hamo sepiems aDNA clane ADCAEEC3 6"
11653	24590	38161	1.75		AV708790.1	EST_HUMAN	AV708790 ADC Homo seplens cDNA clone ADCAEE03 5"
11698	24683		7		11441465 NT	Ŋ	Homo sapiens G protein-coupled receptor 48 (GPR48), mRNA
11757	24685	38265	1.6	1.0E-108	1.0E-108 D63539.1	Ę	Homo sepierts COL 4A6 gene for a6(IV) collagen, exon 23

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SEQ ID SEQ ID NO: NO: NO: NO: NO: NO: NO: NO: NO: NO:	8	Signed 1.33 1.42 1.42 1.42 1.42 1.43 1.43 1.43 1.43 1.43 1.43 1.43 1.43	Nost Similar Top Hit A BLAST E No Vatus Vatus 1.0E-109 AAG62274 1.0E-109 R15400.1 1.0E-109 BF73718 1.0E-109 BF73748 1.0E-109 BF73748 1.0E-109 BE7374821 1.0E-109 BE7374821 1.0E-109 BE7374821 1.0E-109 BE7374821 1.0E-109 BF182707 1.0E-109 BF182707 1.0E-109 BF182707 1.0E-109 BF7875401 1.0E-109 BE73754	21 4604208 7862083 7862083 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.	Top I Ht Database Source Source Source Source NT MT EST HUMAN EST HUMAN EST HUMAN EST HUMAN MT EST HUMAN MT EST HUMAN MT EST HUMAN MT EST HUMAN MT EST HUMAN	Top Hit Descriptor  Top Hit Descriptor  Top Hit Descriptor  Top Hit Descriptor  Top Hit Descriptor  Top Hit Descriptor  Top Hit Descriptor  Tog Hit Descriptor  Tog Hit Descriptor  Horno septens GLUTHATHONE 9-TRANSFERASE THETA 2  Horno septens GLUTHATHONE 9-TRANSFERASE THETA 2  Horno septens GLUTHATHONE 9-TRANSFERASE THETA 2  Horno septens GLASSES eacher 14 (retina) (GLICA1A) mRNA  AU137282 PLACET Horno septens GJNA chore INAGE-10202 6  BOZ138446F1 NIH MOC 38 Horno septens GJNA chore INAGE-10202 5  Horno septens placeratal probab 11 (19018 Horno septens GJNA ACETIODES BOZO400-022-024 HT0618 Horno septens GJNA ACETIODES BOZO400-022-024 HT0618 Horno septens GJNA ACETIODES BOZO400-022-024 HT0618 Horno septens GJNA ACETIODES BOZO400-022-024 HT0618 Horno septens GJNA ACETIODES BOZO400-022-024 HT0618 Horno septens GJNA ACETIODES BOZO400-022-024 HT0618 Horno septens GJNA ACETIODES BOZO400-022-024 HT0618 Horno septens GJNA ACETIODES BOZO400-022-024 HT0618 Horno septens GJNA ACETIODES BOZO400-022-040 HT0618 Horno septens GJNA ACETIODES BOZO400-022-040 HT0618 Horno septens GJNA ACETIODES BOZO400-022-040 HT0618 Horno septens GJNA ACETIODES BOZO40-022-040 HT0618 HORNO SEPENS BOZO40-022-040 HT0618 HORNO SEPENS BOZO40-022-040 HT0618 HORNO SEPENS BOZO40-022-040 HURD SEPENS GJNA BOZO40-027-040-0212-040 HURD SEPENS BOZO40-040-027-040-0212-040-0212-040-040-0212-040-040-040-040-040-040-040-040-040-04
9706 22858 9705 22858	36114	0.65	1.0E-109	1.0E-109 BE397068.1 1.0E-109 BE397068.1	EST HUMAN	601289760F1 NIH_MGC_8 Homo septens cDNA cone IMAGE:3620030 5 601289760F1 NIH_MGC_8 Homo septens cDNA clone IMAGE:3620030 5
		242	1.0E-109 F08604.1 1.0E-109 BE54090 1.0E-109 BE54090		EST_HUMAN EST_HUMAN EST_HUMAN	HSC1EC121 normalized infant brain dDNA Homo saplens cDNA done o-1ec12 601063030F1 NIH_MGC_10 Homo saplens cDNA done IMAGE:3449599 5' 601063030F1 NIH_MGC_10 Homo saplens cDNA done IMAGE:3449599 5'
11158 24116	37642	31.85	1.0E-109	1.0E-109 BF694831.1	EST_HUMAN	602080724F2 NIH_MGC_81 Hamo septens cDNA clane IMAGE:4245341 5

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ngle Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	AU121370 HEMBB1 Hamo saplens cDNA clone HEMBB1002690 5	Homo sapiens Chediak-Higashi syndrome 1 (CHS1) mRNA	zboeb12.rt Sceres_fetal_lung_ND+11.19W Homo sapiens cDNA ctone IMAGE:301439 5' similar to PIR:S43969 S43969 p54-beta stress-activated protein kinases - rat ;	int23f05.x1 NCI_CGAP_Lu24 Homo septens dDNA clone IMAGE:2855989 3' similar to TR:092124 Q92124 YGR183W MRNA HOMOLOGUE, COMPLETE CDS.;	602038003F1 NCL_CGAP_Bm64 Homo saptens cDNA clone IMAGE:4188753 5	602039003F1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4188753 6	ea4207.r1 Sceres_Nit-IMPu_S1 Homo septens cDNA clone IMAGE:823621 6	Homo sapiens SNF6/INI1 gene, exon 6	Hamo sapiens SNFG/IN/1 gene, exan 8	Homo sepiens gene for AF-6, complete cds	Homo sepiens deicdinase, iodothyronine, type II (DIO2), transcript variant 2, mRNA	Homo sepiens leuchne-zipper-like transcriptional regulator, 1 (LZTR1), mRNA	Homo sepiens leucine-zipper-tike transcriptional regulator, 1 (LZTR1), mRNA	Homo sepiens delodinasa, iodolityronina, typa II (DIO2), transcript variant 2, mRNA	Human mRNA for inward rectifier potassitum channel, complete cds	Human dystrobrevin (DTN) gene, excn 20	Homo sepiens caldtonin receptor-like (CALCRL) mRNA	Homo sapiens BAZ18 mRNA for bromodomain adjacent to zinc tinger domain 16, comptete cos	601227545F1 NIH_MGC_44 Hamp sapiens cDNA clone IMACE:3608683 5	ULPHERAEGS-D-OD-U-U.ST NCI_CASAP_SUBS HOTTE SEDIENS CLINA GAINS INVACES NOSTONS	Homo septens chandrain surate proteogram 4 (metanoma-essociated) (Corred), mixira	Homo sepiens BAZ18 mKNA for bromodoman adjacent to zno rugar domein 16, complete ous	Homo sapiens Bruton's tyrosine lonase (BTK), aptra-U-galactosidase A (GLA), L44-like nbosomal protein (1441) and ETP3 (ETP3) news. complete cits	(	Homo depens pregnary-zane prosen (1-2-), moving	Homo septens pregnency-zone protein (P.Z.*), mitthA	Human autoimmune antigen small nuclear ribonucleoprotein E pseudogene	ou32b10.x1 Sceres_NFL_T_GBC_S1 Home sepiens cDNA clone IMAGE:1627963 S' similer to SW:N121_RAT P52591 NUCLEAR ENVELOPE PORE MEMBRANE PROTEIN POM 121;	AU117812 HEMBA1 Hamo sepiens aDNA dane HEMBA1002241 5	Homo sapiens KIAA1002 protein (KIAA1002), mRNA	601118710F1 NIH MGC_17 Homo septens culva done IMACET SUZESSE 5
xon Probes E	Top Hit Detrebese Source	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	M	Ā	N	NT	N	N	NT	攴	Ę	Į.	Ę	EST_HUMAN	EST_HUMAN	¥	Ę	ţ	٤	Ę	¥	된	EST_HUMAN	EST_HUMAN	¥	EST_HUMAN
Single E	Top Hit Acession No.	1.0E-109 AU121370.1	4502838 NT	W16510.1	3E045580.1	3F339540.1	3F339540.1	A490558.1	17123.1	17123.1	AB011399.1	7549804 NT	5803073 NT	5803073	7549804	387291.1		5031620 NT	AB032253.1	3E379477.1	1.0E-110 BF508896.1	4503098 NT	4B032253.1		- 14	7 1	11436041 NT	M15918.1	1.0E-110 AI017213.1	1.0E-110 AU117812.1	1.0E-110 7682441 NT	BE289406.1
	Most Similar (Top) Hit BLAST E Velue	1.0E-109/	1.0E-109	1.0E-109 W16510.1	1.0E-109 BE045580.	1.0E-109 BF339540.	1.0E-109 BF339540.	1.0E-109 AA490558.	1.0E-109 Y17123.1	1.0E-109 Y17123.1	1.0E-109 AB011399.	1.0E-110	1.0E-110	1.0E-110	1.0E-110	1.0E-110 D87291.1	1.0E-110 U84550.1	1.0E-110	1.0E-110 AB032253.	1.0E-110 BE379477.	1.0E-110	1.0E-110	1.0E-110 AB032253.		1.1200/U UTF-30.1	1.0E-110	1.0E-110	1.0E-110 M15918.1	1.0E-110	1.0E-110	1.0E-110	1.0E-110
	Expression Signal	1.65	282	5.45	86.	2.03	203	1.65	21	2.24	1.85	0.89	4.69	4.69	1.73	1.6	13.41	1	0.72	1.35	1.85	1.05	0.88	3	5	1.55	1.65	88.0	211	4.28	1,94	223
	ORF SEQ ID NO:	37860			38380	38597	38598	38607	28300	.28300	31774	26022	26061	28082	28022	26316	28517						27282				29186		30570			31343
	SEQ NO:	24402	24662	<u> </u>	1	ı	24894	25001	15278	16278	25374	13124	13169	13159	13124	13388	13599	14225	14319			15913	14319	L.			16264	<u>L</u>		17705	Ш	18472
	Probe SEQ ID NO:	11459	11697	11735	11910	12125	12125	12132	12395	12613	12720	6	88	88	109	क्र	828	1184	1284	1937	2073	2853	3043		3103	3208	3209	4231	4685	4684	6009	5367

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INTERVOLL TODGS EXPRESSED III DOIR MAILOW	Top Hit Descriptor Source	EST_HUMAN 601493677F1 NIH_MGC_70 Homo sapiens cDNA done IMAGE:3895795 5		IT Homo sepiens hypothetical protein PLJ10300 (PLJ10300), mRNA		EST_HUMAN   601108388F1 NIH_MGC_16 Homo saplens cDNA clone IMAGE:3360277 6	NT Human GS2 gene, excn 2	NT Human GS2 gane, expn 2	tr12408.x1 NCL CGAP_BIN25 Homo sepiens cDNA done IMAGE:2167407 3' similar to SW:ETV1_HUMAN   P50549 ETS TRANSLOCATION VARIANT 1;	T	EST_HUMAN AV714276 DCB Hamo septens dDNA dane DCBCGE01 67	IT Homo septiens mRNA for KIAA0888 protein, pertial cds	EST_HUMAN AU137923 PLACE1 Homo septens cDNA clone PLACE1007511 5	Π		EST_HUMAN   QV2-LT0053-020400-119-604 LT0053 Homo sepiens cDNA		NT H.sapiens mRNA for myotomic dystrophy protein kinase like protein	_	EST_HUMAN 601565604F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3840433 67		Т	T	HOMAN			T_HUMAN		EST_HUMAN   601458531F1 NIH_MGC_66 Hamo sepiens cDNA clane INAGE:3862086 5	T Homo capiens cat eye syndrome critical region gene 1 (CECR1), mRNA	T Human cardiac alpha-myosin heavy chain (MYH6) gena, exons 3.2 to 34			T Homo sepiens mRNA for neurexin Helpha protein, complete cds
ST PERSON	Top Hit Acession No.	1	11418323 NT	11418323 NT	465112.1 NT	3.1			_		_	F	-		1	11	11432732 NT		1.1	_	,		_	-	1	.1	.1	U43701.1 NT	BF035327.1 ES	8393092 NT	L25142.1	F036128.1 NT		B035356.1 NT
	Most Similar (Top) Hit BLAST E Vatue	1.0E-110 BE621069.	1.0E-110	1.0E-110	1.0E-110 M55112.1	1.0E-110 BE251496.	1.0E-110 U08888.1	1.0E-110 U08888.1	1.0E-110 AI560289.	1.0E-110 AV714Z78.	1.0E-110 AV714278.	1.0E-110 AB020675.	1.0E-110 AU137923		1.0E-110 BE302594.	1.0E-110 AW838394	1.0E-110	1.0E-110 Y12337.1	1.0E-110 BE734357	1.0E-110 BE734357		1.0E-110 AA446529	1.0E-110 BE89/218.	1.0E-110 AW06Z236	1.0E-110 AB011399.	1.0E-110 BF364546.	1.0E-110 BF508896.	1.0E-111	1.0E-111 B	1.0E-111	1.0E-111 N25142.1	1.0E-111 AF036128.	1.0E-111 K	1.0E-111 AB035356
	Expression Signal	0.78	7.66	7.66	3.64	0.59	0.71	0.71	0.08	10.79	10.79	2.64	1.01		0.79	3.25	3.4	2.78	3.18	3.18		2.48	5.81	99.6	1.72	282	1.34	12.39	3.39	5.88	3.63	1.63	4.65	0.72
-	ORF SEQ ID NO:		32106				33619	02988	33867	33980	33981	34010	34145		36101	36324	37102	37583	37781	37782		3/445		1						26746	26834	28280	30266	31160
	Exam SEQ ID NO:	18904	18924		02952		20280	20280	20508	20616	20616	20846	20769		22843	22863	23608	24059	24264	24264		0	2005	20137	22288	25913	15090	13277	13797	13806	13980	15264	17384	18238
	Probe SEQ ID NO:	6814	5834	5834	8789	7235	7309	7300	7545	7656	7656	7688	928 1820		0698	9838	10686	11089	11314	11314		2/5	12210	12888	12579	12706	12987	176	738	745	128	2250	4357	5233

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Table 4
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Single Exon Probes Expressed in Borne Mairow	Top Hit Descriptor	247b07.rf Soares_prognant_utarus_NbHPU Homo saptens cDNA clone IMAGE:505045 6' stmilar to gb.M23575 PREGNANCY-SPECIFIC BETA-1 GLYCOPROTEIN C PRECURSOR (HUMAN);	247b07.rf Scares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMACE:505045 5' similar to gb.M23575 PREGNANCY-SPECIFIC BETA-1 GLYCOPROTEIN C PRECURSOR (HUMAN);	601443690F1 NIH_MGC_65 Hano septens cDNA dame IMAGE:38476655 5	Human two-handed zinc finger protein ZEB mRNA, partial cds	qp09g12x1 NG_CGAP_Kd45 Homo sepierts cDNA clone IMAGE:1817574 3° striilar to gb:M28883 RAS- RELATED PROTEIN RAL-A (HUMAN);	DKFZp434C1815_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp434C1815 5	UI-H-BW0-ait-d-03-0-UI.s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:2729525 3'	RC2-BN0033-160200-013-b05 BN0033 Homo septiens cDNA	II.2-NT0101-280700-114-E03 NT0101 Homo septems cDNA	Homo septens ATP-binding cassette, sub-family B (MDR/TAP), member 4 (ABCB4), transcript variant A,	HELINA	w168d01 x1 NCI_CGAP_KId12 Hamo septens cLNA cione (IMACIE:2398465 3' similer to go104813 CYTOCHROME P450 (IIIA5 (HUMAN);	Homo sepiens basic transcription factor 2 p44 (bt/2p44) gene, partial cds, neuronal apoptosis inhibitory	protein (naip) and survival motor neuron protein (simn) genes, complete cds	zn62c12.rt Stratagene muscle 837209 Homo sapiens dDNA done IMAGE:562774 5' similar to gb:X03740 MYOSIN HEAVY CHAIN, SKELETAL MUSCLE (HUMAN);	2578g03.71 NCI_CGAP_GCB1 Homo septens cDNA clone IMAGE:703732 5' striiter to TR:G1256410 G1256410 11-ZINC-FINGER TRANSCRIPTION FACTOR.;	2879c03.11 NCI CGAP GCB1 Homo septens cDNA done IMAGE:703732 5 similar to TR:G1256410	G1256410 11-ZINC-FINGER TRANSCRIPTION FACTOR.;	Homo sapiens protein x 0001 (LOCS1185), mRNA	Human beta4-Integrin (ITGB4) gene, evon 13	Homo sapiens nuclear factor of activated T-cells, cytoplasmic 2 (NFATC2), mRNA	Hamo sepiens mRNA for FLJ00045 protein, partial cds	601847132F1 NIH_MGC_55 Homo sapiens cDNA clone IMAGE:4078303 5	Human mRNA for integrin alpha-2 subfinit	Human mRNA for integrin alpha-2 subunit	Homo sepiens Trio isoform mRNA, complete cds	QV2-8T0817-270900-398-e06 BT0817 Hamo sepiens c.DNA
Xon Probes E	Top Hit Database Source	EST_HUMAN		EST_HUMAN	П	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN			EST HUMAN		NT	EST_HUMAN	EST HIMAN		EST_HUMAN	IN	NT	NT	NT	EST_HUMAN	NT	卜	_	EST_HUMAN
Single	Top Hit Acession No.	VA151017.1	1.0E-111 AA151017.1			1.0E-111 AI344679.1	1.0E-111 AL040782.1	1.0E-111 AW294648.1	1.0E-111 AW983165.1	1.0E-111 BF366228.1		9961253 NT	1.0E-111,AI761228.1		U80017.1	1.0E-111 AA133814.1	4 OC 444 AA778868 4		1.0E-111 AA278868.1	11431896 NT	U68533.1	11420518 NT	1.0E-111 AK024453.1	1.0E-111 BF214902.1	X17033.1	X17033.1	1.0E-111 AF091395.1	1.0E-111 BF333210.1
	Most Similar (Ταρ) Hit BLAST E Veitue	. 1.0E-111 AA151017.1	1.0E-111	1.0E-111	1.0E-111 U19969.1	1.0E-111	1.0E-111	1.0E-111	1.0E-111	1.0E-111		1.0E-111	1.0E-111		1.0E-111 U80017.1	1.0E-111	4 00 444		1.0E-111	1.0E-111	1.0E-111 U66533.1	1.0E-111	1.0E-111	1.0E-111	1.0E-111 X17033.1	1.0E-111 X17033.1	1.0E-111	1.0E-111
	Expression	0.68	. 0	0.89	0.49	5.5	96.0	1.3	0.62	2.67		0.51	0.58		8.0	1.52	8	*	0.82	0.55	3.24	0.77	0.83	28.95	15.22	15.22	2.88	0.48
	ORF SEQ ID NO:	31583	31594	31986	82H1	32453	33185	33531				34097	34104		34185	34402			34813						35632		35844	36079
	Exon SEQ ID NO:	18650	L.	١.					0	ŀ		20725	26706	<u> </u>	20817	<u> </u>		3417	21400				l	l				22625
	Probe SEQ ID NO:	999	88	5714	5837	6148	6837	2268	7405	7680		7772	*		7873	8067		8	8431	8630	8583	1208	9728	9160	9228	8238	\$	8672

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Only of Avidance Lapressed in Doing Indianow	Top Hit Descriptor	ae58g02.s1 NG_CGAP_GCB1 Hano sepiens aDNA done IMAGE:825170 3' similar to gb:L08235 VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A, UBIQUITOUS (HUMAN);	Homo sapiens RGH1 gene, retrovirus-like element	231101.r1 Soares_pregnant_uterus_NbHPU Homo sepiens cDNA clone IMAGE:503545 5"	UI+H-BW0-eiq-d-07-0-UI.s1 NCI_CGAP_Sub6 Hamo septens cDNA clane IMAGE:2730276 3*	II.0-CT0031-221099-113-f06 CT0031 Homo sepiens cDNA	Human thrombopoletin receptor (MPL) gene, exons 1,2,3,4,5 and 6	Homo sapiens meningioma (disrupted in balanced translocation) 1 (MN1), mRNA	Homo sapiens mRNA for neureath Leipha protein, complete cds	Homo espiens acetyl-Coenzyme A carboxylase beta (ACACB), mRNA	Hurman steroidogenic acute regulatory protein (SVAR) gene, exon 5	Human stenddogenic acute regulatory protein (StAR) gene, exon 5	UI-H-BI4-act-g-04-0-UI.s1 NCI_CGAP_Sub8 Homo sapiens cDNA clone IMAGE:3086023 3'	UI-H-BI4-act-g-04-0-UI.s1 NGI_CGAP_Sub8 Homo sepiens oDNA clone IMAGE:3086023 3'	Homo septens HTRA serine protesse (PRSS11) gene, complete cds	ZINC FINGER PROTEIN 135	Homo sepiens KIAA0440 protein (KIAA0440), mRNA	Homo sepiens KIAA0440 protein (KIAA0440), mRNA	w60f08x1 NGL_CGAP_Kid12 Homo sepiens cDNA clone IMAGE-24006113'	601442674F1 NIH_MGC_66 Hamo sapiens cDNA dane IMACE:3846858 5	Homo sapiens glutamate receptor, lonotropic, leanate 1 (GRIK1) mRNA	W445512.x1 NCI_CGAP_P722 Hamo septens cDNA clone IMAGE:2418335 3' similar to gb:M81650_ma1  SEMENOGELIN 1 PROTEIN PRECURSOR (HUMAN);	WR2-BT0560-090300-113-f09 BT0590 Homo sapiens cDNA	Homo sapiens glutamate receptor, tonotropic, kainate 1 (GRIK1) mRNA	Homo sepiens mRNA for KIAA1411 protein, partial cds	Homo sapiens mRNA for KIAA1411 protein, partial cds	ly935d07.r1 Soares melancoyte 2NbHM Homo saplens cDNA clone IMAGE:273229 5	Homo sapiens NOD1 protein (NOD1) gene, exons 1, 2, and 3	UHHF-BROp-ejs-g-06-0-ULM NIH_MGC_62 Hamo septems aDNA dane IMAGE:3076858 67	UHHF-BROp-gjs-g-06-0-ULr1 NIH_MGC_52 Hamo sapiens cDNA clane IMAGE:3075658 5	601594717F1 NIH_MGC_9 Hamo sepiens cDNA clane IMAGE:3948557 5	602152849F1 NIH_MGC_81 Hamo sapiens cDNA clone IMAGE:4283420 6	601142755F1 NIH_MGC_14 Hamo sapiens cDNA clone IMAGE:3508508 5
ZYOU LIONS	Top Hit Database Source	EST_HUMAN	IN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	IN	NT	NT	NT	IN	IN	EST_HUMAN	EST_HUMAN	IN	SWISSPROT	IN	IN	EST_HUMAN	EST_HUMAN	IN	EST HUMAN	EST_HUMAN	Į	IN	NT	EST_HUMAN	IN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN
DISING I	Top Hit Acession No.	1.0E-111 AA504160.1	1.0E-111 D10083.1	1.0E-111 AA131248.1	1.0E-111 AW296467.1	1.0E-111 AW374340.1	U68159.1	11417801 NT	1.0E-111 AB035358.1	4501854 NT	U29103.1	U29103.1	1.0E-112 BF509039.1	1.0E-112 BF509039.1	1.0E-112 AF157623.1	P52742	7882125 NT	7882125 NT		1.0E-112 BE886859.1	4504116 NT	1.0E-112 AI826511.1	1.0E-112 BE076073.1	4504116 NT	1.0E-112 AB037832.1	1.0E-112 AB037832.1	N46046.1	1.0E-112 AF140773.1	1.0E-112 AW 502487.1	1.0E-112 AW 502437.1	1.0E-112 BE741668.1	1.0E-112 BF672815.1	1.0E-112 BE273103.1
	Most Similer (Top) Hit BLASTE Vælue	1.0E-111	1.0E-111	1.0E-111	1.0E-111	1.0E-111	1.0E-111 U68159.1	1.0E-111	1.0E-111	1.0E-112	1.0E-112 U29103.1	1.0E-112 U29103.1	1.0E-112	1.0E-112	1.0E-112	1.0E-112 P52742	1.0E-112	1.0E-112	1.0E-112 AI766925.	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112 N46046.1	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112	1.0E-112
	Expression Signal	1.88	1.69	6:39	3.4	2.64	2.98	4.77	1.75	6.0	5.51	5.51	1.91	1.91	121	1.85	3.1	3.1	1.08	1.34	3.53	1.07	0.69	0.70	5.01	5.01	38.43	1.28	0.89	0.89	6.0	0.83	0.74
	ORF SEQ ID NO:	36832		25078	37592		65878	38618	31180	26590	Z899Z	8699Z	26618	26819	2700B	27058	27703	4011Z	28242	28541		28346	29849	30542	30694	30695	32027	32504	32573	32574		32835	33130
	Esan SEO ID NO:	23434	23462	23557	24070	24238	24330	25018	18238	13675	13677	13677	13698	13698	14054	14109	14722	14722	15222	15518	16152	16421	16938	17865	17803	17803	18844	19269	18341	19341		19682	19846
	Probe SEG ID NO:	10512	10540	10635	11110	11288	11383	12168	12955	610	012	612	88	88	1003	<u>\$</u>	1692	1692	2207	2515	3084	3374	3838	4834	4784	4784	5750	9486	8529	8929	6378	6803	6782

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ORF SEQ Expression (Top) Hit Acession Detablese Signal BLAST E No. Source	33131 0.74 1.0E-112 BE273103.1 EST_HUMAN	1.23 1.0E-112 BF574235.1 EST_HUMAN	33682 0.68	20522 33879 1.62 1.0E-112 11416777 NT Homo septens source center family 8 (neurotransmitter transporter, L-proline), member 7 (SLC8A7), mRNA	33880 1.62 1.0E-112 11416777 NT	34921 1.83 1.0E-112 AU118051.1 EST_HUMAN	35705 2.56 1.0E-112 BE867635.1 EST_HUMAN	35706 2.56 1.0E-112 BE867635.1 EST_HUMAN	2.18 1.0E-112 BF111413.1 EST_HUMAN	37621 2.83 1.0E-112 AW883327.1 EST_HUMAN	37772 2.36 1.0E-112 AJ249900.1 INT	37917 1.0E-112 BE280479.1 EST_HUMAN	38009 3.58		26744 5.37 1.0E-113 AI3655586.1 EST_HUMAN	26745 5.37 1.0E-113 AI365586.1 EST_HUMAN	26946 5.76 1.0E-113 M11865.1 NT	3.01 1.0E-113 AI365586.1 EST_HUMAN	1,29 1.0E-113 AF240775.1 NT	1 EST HUMAN	¥	1 EST_HUMAN	6.68 1.0E-113 AU127214.1 EST_HUMAN	32193 0.54 1.0E-113 BE789172.1 EST_HUMAN	32194 0.54 1.0E-113 BE7891721 EST_HUMAN	32317 4.18 1.0E-113 AU140291.1 EST_HUMAN	32354 0.97 1.0E-113 AP016535.1 NT	32400 2.42
S. ⊡				_ :																		748						
	6792 198				l				<u>L</u>	L	<u> </u>		L.	12095 249	L	L	L	1543 14	1956 158			1	5570 18	L		L	<u> </u>	<u> </u>

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Single Exon Probes Expressed in Bone Marrow

Single Exon Probes Expressed in Bone Marrow	Exam ORF SEQ Expression (Top) Hit Accession Signal BLAST E No. Signal No: Signal Value	Homo saplens ATP-binding cassette, sub-family B (MDR/TAP), member 4 (ABCB4), transcript variant B, mRNA	16362 32688 0.62 1.0E-113 9961249 NT Homo sepiens ATP-binding cassette, sub-family B (MDR/TAP), member 4 (ABCB4), transcript variant B, mRNA	18514 32764 0.89 1.0E-113 6006002 NT Homo septens gluternate receptor, tonotropio, N-methyl D-aspertate 2A (GRIN2A) mRNA	32765 0.89 1.0E-113 6006002 NT	20606 33865 0.72 1.0E-113 BE262161.1 EST_HUMAN   601152078F1 NIH_MGC_19 Home septens cDNA clone IMAGE:3508382 6	33866 0.72 1.0E-113 BE262161.1 EST_HUMAN	35850 2.83 1.0E-113 BE382842.1 EST_HUMAN	22414 35851 2.93 1.0E-113 BE382842.1 EST_HUMAN 601297709F1 NIH_MGC_19 Homo septems cDNA clone IMAGE:3627554 5	EST_HUMAN	23115 36599 1.3 1.0E-113 11429367/NT Homo sapiens transmembrane protein 2 (TMEM2), mRNA	NT	38817 0.77 1.0E-113 6463997 NT	1.0E-113 5453997 NT	1.51 1.0E-113 AW500519.1 EST_HUMAN	24409 37956 3 1.0E-113 AW630291.1 EST_HUMAN KIAA0584 PROTEIN;	24409 37967 3 1.0E-113 AW630291.1 EST_HUMAN KLAA0584 PROTEIN;	38087 2.94 1.0E-113 BE292868		ne80b03.11 NCI_CGAP_GC1 Homo saplens cDNA done IMAGE:787089 5' etnilar to SW:FEN1_HUMAN	28092 0.66 1.0E-114 Y17161.2 INT	28083 0.65 1.0E-114 Y17151.2 NT	0.65 1.0E-114 Y17151.2 NT	6.97 1.0E-114 T70551.1 EST_HUMAN	1.78 1.0E-114 8923087 NT	27319 6 1.0E-114 7657629 NT	1.79 1.0E-114
										697								l									
	Probe Exe SEQ ID SEQ NO: NO	6280 18	<u> </u>	6449							10190 23	10290 233	10410 233	10410 23	11457 24	11466 24		l	1	i				948	1072 14		1648 14

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ingie exon prodes expressed in Done Mariow	Top Hit Descriptor	Homo saplens nucleoportin-like protein 1 (NLP_1), mRNA	Human gene for catalase (EC 1.11.1.6) exon 2 mapping to chromosome 11, band p13	601869832F1 NIH_MGC_19 Homo saplens cDNA clone IMAGE:4100214 5'	Homo sapiens NOD1 protein (NOD1) gene, excris 1, 2, and 3	Human interferon-alpha receptor (HuJFN-alpha-Rec) mRNA, complete cds	zq05e05.11 Stratagene muscle 837209 Homo sepiens cDNA clone IMAGE:628832 5' similar to contains MER22.t3 MER22 repetitive element;	Homo sapiens sema domain, seven finombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A) mRNA	Homo sapiens sema domain, seven finombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A) mRNA	Homo sepiens clathrin, heavy polypeptide-like 1 (CLTCL1), transcript variant 2, mRNA	H. sepiens Isoform 1 gene for L-type calcium channel, exon 20	Homo sepiens sperclosteonectin, cwcv and kazal-like donains proteoglycan (testican) (SPOCK) mRNA	Homo sapiens HCMOGT-1 mRNA for sperm antigen, complete cds	AU134187 OVARC1 Hamo sapiens aDNA clane OVARC1001444 5	AU134187 OVARC1 Homo septens cDNA clone OVARC1001444 5	Homo saplens NF2 gene	Homo sapiens NF2 gene	Homo sepiens gamma-aminobutynto acid (GABA) A receptor, alpha 2 (GABRA2) mRNA	qy68d06.x1 NCI_CGAP_Bm25 Homo saplens cDNA clone IMAGE:2017163 3'	qy68d06.x1 NC _CGAP_Bm25 Hamo sepiens cDNA clane IMAGE:2017163 3'	Human neunal cell adhesion molecule CD58 mRNA, complete cds	Homo sapiens mRNA for KIAA0561 protein, partial cds	Homo sapiens mRNA for KIAA0561 protein, partial cds	Homo septens mRNA for KIAA 1564 protein, partial ods	7189g12.x1 Soares_NSF_FB_9W_OT_PA_P_S1 Homo sapiens dDNA done IMAGE:3528847 3' striiler to TR:09UHN8 Q9UHN8 TRANSMEMBRANE PROTEIN 2.;	dq03f05xf NIH_MGC_2 Hamo sepiens cDNA clane IMAGE:2846744 5	Homo saplens tyrosine kinase pp60c-src (SRC) gene, excn 12 and partial cds	Human carulopkasmin mRNA	601449752F1 NIH_MGC_65 Homo sapiens cDNA clone IMAGE:3853500 57	Hamo sepiens chromosome 21 segment HS21C027
XOII PIODES E	Top Hit Database Source		<u> </u>	EST_HUMAN 6	IN TN	TN TN	EST_HUMAN N						TN.	EST_HUMAN	EST_HUMAN A	I L	NT TN			EST_HUMAN o	ㅂ	INT IN		노	EST_HUMAN	EST_HUMAN	TA	NT IN	T_HUMAN	¥
alguic	Top Hit Acesslon No.	TN 579073		1	.1		1	4506880 NT	4506880 NT	TN 1027228		4759163 NT	1	1	1			557600				1	1	1	3F109832.1	1.0E-114 AW327456.1	1		1	
	Most Similar (Top) Hit BLAST E Vatue	1.0E-114	1.0E-114 X04088.1	1.0E-114 BF206374.	1.0E-114 AF149773.	1.0E-114 J03171.1	1.0E-114 AA194468.	1.0E-114	1.0E-114	1.0E-114	1.0E-114 Z26298.1	1.0E-114	1.0E-114 AB041533.	1.0E-114 AU134187.	1.0E-114 AU134187	1.0E-114 Y18000.1	1.0E-114 Y18000.1	1.0E-114	1.0E-114 AB63139.1	1.0E-114 AI363139.1	1.0E-114 U63041.1	1.0E-114 AB011133.	1.0E-114 AB011133.	1.0E-114 AB046784.	1.0E-114 BF109832.	1.0E-114/	1.0E-114 AF077754.	1.0E-114 M13536.1	1.0E-114 BE870004.	1.0E-114 AL 163227.
	Expression Signal	5.92	2.91	1.28	1.25	0.78	66°0	1.47	1.47	+	0.51	0.54	1.01	1.08	1.08	5.65	5.65	1.87	1.65	1.65	3.38	5.81	5.81	0.42	0.6 <del>1</del>	14.09	3.34	1.15	96.0	1.42
	ORF SEQ ID NO:	27691	29119	29160	08662	30335	31110	31483	31484	31943	32665	31224		33770	33771	33824	33826	34600	34888	34889	35439	35514	35515	35744	35948		34546		36919	36942
	Exan SEQ ID NO:	14713	16205	16242	17082	17444	18236	18575	18575	1877.1	19423	18422	20014	20416	20416	20464	20464	21182	21475	21475	22015	22085	22085	22318	22500	22710	21140		23420	23444
	SEQ ID NO:	1681	3148	3187	4044	4417	6228	5474	5474	5676	6354	7191	7280	7460	7450	7499	7499	8223	8507	8507	9049	9119	9119	8853	9537	9769	9818	9066	10498	10522

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Probe SEQ ID	Errori SEQ ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E	Top Hit Acessian No.	Top Hit Detabase	Top Hit Descriptor
Š	2			Vatue		Source	
4943	17859	30849	257	1.0E-115	1.0E-115 AL163268.2	N	Homo sapiens chromosame 21 segment HS21C068
4943	17859	30850	2.57		-1.0E-115 AL163268.2	F	Homo saplens chromosome 21 segment HS210068
\$20	18523	31401	9.81		1.0E-115 AW970335.1	EST_HUMAN	EST382416 MAGE resequences, MAGK Homo sapiens dDNA
2,688	18598	31510	1.08		1.0E-115 BF665387.1	EST_HUMAN	602119346F1 NIH_MGC_56 Homo septems cDNA clone IMAGE:4276738 5
2829	18716	31875	1.68	1.0E-115	11425128 NT	NT	Homo sapiens similar to ER to ruckeus signalling 1 (H. sapiens) (LOC63433), mRNA
9820	18716	31876	1.68	1.0E-115	11425128 NT	NT	Homo saplens similar to ER to nucleus signalling 1 (H. saplens) (LOC63433), mRNA
6775	18867	32049	1.1		1.0E-115 AI928799.1	EST HUMAN	au64g01.x1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2519568 3' shniler to gb1.07807 } DYNAMIN-1 (HUMAN);
				L			au64g01x1 Schmeider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2519568 3' similar to gb1.07807
5775	18867		1.1		1.0E-115 Al928799.1	EST HUMAN	DYNAMIN-1 (HUWAN);
6391	19459	32704	0.68		11426786 NT	Z	Homo saplens sperm surface protein (HSS), mRNA
භෞ	19459	32705	89:0	1.0E-115	11428786 NT	N	Homo septems sperm surface protein (HSS), mRNA
6635	19598	32861	19.47	1.0E-115	11426038 NT	۲	Homo sapiens similar to ribosomal protein S26 (H. sapiens) (LOC63436), mRNA
82.8	19735	33010	1.82	1.0E-115	7681883	F	Homo saplens KIAA0054 gene product; Helicase (KIAA0054), mRNA
84.8	19735	33011	1.82	1.0E-115	TN 5381883 NT	N	Homo sapiens KIAA0054 gene product; Helicase (KIAA0054), mRNA
							yd88b08.r1 Soeres fetal liver spleen 1NFLS Homo saplens cDNA clone IMAGE:115085 5' stmitar to
7120	20054	33358	0.57	1.0E-115 TB6774.1	TB6774.1	EST_HUMAN	SP:DPOG_YEAST P15801 DNA POLYMERASE GAMMA;
7493	20458	33816	122	1.0E-115	1.0E-115 AI076598.1	EST_HUMAN	0231806.x1 Soeres_total_fetus_NbZHF8_9w Homo sepiens cDNA clone IMAGE:1676914 3'
7493	20458	33817	122	1.0E-115	1.0E-115 AI076588.1	EST_HUMAN	0231a06x1 Sogres_total_fetus_Nb2HF8_9w Homo saptens cDNA clone IMAGE:16769143'
7638	20598	23862	7.12		1.0E-115 AB023212.1	NT	Homo sapiens mRNA for KIAA0995 protein, partial cds
8500	21468	34884	11.55	1.0E-115	1.0E-115 BE830187.1	EST_HUMAN	RC8-ET0081-130700-011-C301 ET0081 Homo septems cDNA
8500	·21468		11.65	1.0E-115	BE830187.1	EST HUMAN	RC8-ET0081-130700-011-C01 ET0081 Hamp saplens cDNA
9164	22130	29998	4.68		11434772 NT	TN	Homo sapiens cultaryotic translation initiation factor 48 (EIF48), mRNA
10133	23059	36236	0.64		1.0E-115 BF382029.1	EST_HUMAN	601816352F1 NIH_MGC_56 Homo septens cDNA chane IMAGE:4050108 57
10358	23282	89788	1.74			M	Human mRNA for KIAA0338 gene, partial ods
10358	23282	69298	1.74		1.0E-115 AB002336.1	NT	Human mRNA for KIAA0338 gene, partial cds
10887	23807	37312			1.0E-115 AI221878.1	EST_HUMAN	ag89809.x1 Sogres_NFL_T_GBC_S1 Hamo saplens aDNA clane IMAGE:1843336 3'
10887	23807	37313	1.02		1.0E-115 AI221878.1	EST_HUMAN	gg88e09.x1 Scares_NFL_T_GBC_S1 Homo explens cDNA clone IMAGE:1843336 3'
10894	23814	37321	0.7		1.0E-115 AI524687.1	EST HUMAN	th12a07x1 NCL_CGAP_CLL1 Homo septens dONA done IMAGE:2118036 3' stratar to TR:016129 016129 PHENYLALANYL TRNA SYNTHETASE :
10920	23840		6.73	L	1.0E-115 BE886295.1	EST HUMAN	601509879F1 NIH_MGC_71 Homo sapiens dDNA done IMAGE:39/1610 5
4	}				4 0F-445 AW574544 4	EST HIMAN	202208.x1 NCI_CGAP_Ut1 Home septens oDNA clone IMAGE.2839239 3' similar to SW.CAYP_CANFA Places CALCYPHOSINE:
110	1	1		J	NA OF IONE	TOWN TO THE	

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SEQ ID NO: 24527 24527 24527 24612 13843 13843 13843 13843 13843 15327 15327 16234 16235 16244 16235 16244 16235 16244 16235 16244 16235 16244 16235 16327 1			Most Similar (Top) Hit BLAST E Value 1.0E-116 1.		Top Hit Database Source Source HUMAN HUMAN HUMAN HUMAN HUMAN HUMAN
- 1		ORF SEQ ID NO: 38083 38084 38189 28455 28456 28456 28456 28456 28456 32384 31111 31111 31284 322845 322846 322846 322846 322846	ORF SEQ Expression ID NO: Signal 38084 2.1 38084 2.1 38189 2.06 28907 2.44 2.89 2.29045 2.89 2.29045 2.89 2.29161 2.44 2.89 2.29161 5.44 3.32 2.89162 2.99 2.39 3.32 2.39 3.32 3.32 3.32 3.3	ORF SEQ Expression (1) 10 NO: Signal Bit 10 NO:	ORF SEQ Expression (Top) Hit Top Hit Ace Signal DI NO: Signal DI AST E No. Value Signal Signal DI AST E No. Value DI NO: Signal DI AST E No. Value DI NO: Signal DI AST E No. Value Signal DI DI DI DI DI DI DI DI DI DI DI DI DI
Signal Most Similar Top Hit Acession CTop) Hit Top Hit Acession No.  2.1 1.0E-115 BE045890.1 EST 2.2 1.0E-115 BE045890.1 EST 2.2 1.0E-115 BE045890.1 EST 2.2 1.0E-115 BE045890.1 EST 2.2 1.0E-116 BE275502.1 EST 2.2 1.0E-116 BE275502.1 EST 2.2 1.0E-116 BE275502.1 EST 2.2 1.0E-116 BE275502.1 EST 2.2 1.0E-116 BE39258.1 BT 2.2 1.0E-116 BE883258.1 BT 2.2 1.0E-116 BE883258.1 EST 2.2 1.0E-116 BE883258.1 EST 2.3 1.0E-116 BE883258.1 EST 2.3 1.0E-116 BE883258.1 EST 2.4 1.0E-116 BE883258.1 EST 2.4 1.0E-116 BE883258.1 BT 2.4 1.0E-116 BE883258.1 EST 2.5 1.0E-116 BE883258.1 BT 2.6 1.0E-116 BE883258.1 EST 2.7 1.0E-116 BE883258.1 BT 2.8 1.0E-116 BE883258.1 EST 2.9 1.0E-116 BE883258.1 BT 2.0 1.0E-116 BE883	Most Similar	Top Hit Acession   Top Hit	1	Top Hit Database Source Source HUMAN HUMAN HUMAN HUMAN HUMAN HUMAN HUMAN	

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ORF SEQ Expression (Top) Hit Top Hit Accession Detablese ID NO: Signal Value	2.06 1.0E-116 BE158133.1 EST_HUMAN	33417 1.59 1.0E-116 C02944.1 EST HUMAN	33728 7.19 1.0E-116 AV716314.1 EST_HUMAN	35106 1.32 1.0E-116 AA354258.1 EST HUMAN	35107 1.32 1.0E-116 AA354258.1 EST_HUMAN	35213 1.04 1.0E-116 AI904151.1 EST_HUMAN	35686 1.39 1.0E-116 BE565507.1 EST_HUMAN	35857 2.9 1.0E-116 AI216362.1 EST_HUMAN	36428 1.49 1.0E-116 11418848 NT	37055 0.71 1.0E-116 A.1277441.1 NT	37056 0.71 1.0E-116 A.ZZ77441.1 NT	37128 0.91 1.0E-116 BE158913.1 EST_HUMAN	37536 2.44 1.0E-116 BF335849.1 EST_HUMAN	27000 2 00 1 10E 118 ARR7140 1	1.08 1.0E-116/AL134889.1 EST_HUMAN	28547 1.04 1.0E-117 4828838 NT	27076 0.86 1.0E-117 AF124393.1 NT	27224 2.0E-117 AF284750.1 NT	27870 2.04 1.0E-117 M19816.1 NT	28259 1.26 1.0E-117 AW 957699.1 EST_HUMAN	29255 1.51 1.0E-117 AA978114.1 EST_HUMAN		20000 2000 1.0E-111 POLICE CO. C. C. C. C. C. C. C. C. C. C. C. C. C.	20210 2021 1 05 1 0F-117 AI 042120.1   EST HUMAN	30670 1.19 1.0E-117 X89670.1 NT	30874 1.19 1.0E-117 X89670.1 INT	30757 10.31 1.0E-117 AF134304.2 NT	30758 10.31 1.0E-117 AF134304.2 NT	30881 4.01 1.0E-117 AB020673.1 NT	31402 3.29 1.0E-117 BE730508.1 EST_HUMAN	8380 31289 0.53 1.0E-117 AA323348.1 EST_HUMAN EST20111 Cerebeltum II Homo septems d.N.A.5' end similar to zinc imger dontain
ORF SEQ ID NO:														<u> </u>		L				L							١				Ш
Ean SEQ ID NO:	49720			L	L		L	<u> </u>			l		24010	<u> </u>	25840	L				L	L	<u> </u>	_	17820	$\mathbf{l}_{-}$		L	L	1_		1
Probe SEQ ID NO:	6883	7430	7410	8712	8712	882	0828	9455	10033	10633	10633	10713	11048		12004		1079	1228	1848	ZZ	3281		4016	2 8	4755	4755	4847	4847	4977	5421	7148

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Single Exon Probes Expressed in Bone Marrow

ſ										П						П	٦							Π							П	T	$\neg$
	Top Hit Descriptor	Horno sapiens nuclear hormone receptor (sttp) gene, 3' end of cds	Homo sepiens nuclear hormone receptor (shp) gene, 3' end of cds	AV717788 DCB Hamo sapiens cDNA clone DCBBAE01 5'	AV717788 DCB Hamo septems cDNA clane DCBBAE01 5	wp86b07x1 NCI_CGAP_Brn25 Homo sapiens cDNA clone IMAGE:2468629 3' shribar to TR:075065 O75065 KDAA0477 PROTEIN.;	Homo sepiens neural cell adhesion molecule 1 (NCAM1), mRNA	Homo sepiens neural cell adhesion molecule 1 (NCAM1), mRNA.	CM-BT043-090289-075 BT043 Homo saplens cDNA	CM-BT043-090289-075 BT043 Homo sepiens cDNA	Human gane for very low density lipoprotein receptor, exan 11	601568317F1 NIH_MGC_21 Hamo sepiens aDNA clane IMAGE:3843748 5	Homo sepiens gamma-aminobutyric acid type B receptor 2 (GABABR2) mRNA, complete cds	Homo sapians Drosophila Kalch ilite protein (DKELCHL), mRNA	Human mRNA for KIAA0191 gene, partial cds	Homo sapiens protein (peptidyl-prolyl cis/trans isomerase) NIMA-Interacting 1 (PIN1), mRNA	Hamo sepiens protein (peptidyl-protyl cis/trans isomerase) NIMA-interacting 1 (PIN1), mRNA	Hamo sepiens mRNA for MEGF8, pertial cds	Hamo septems mRNA for MEGF8, partial cds	601186203F1 NIH_MGC_8 Hamo septens cDNA clane IMAGE:3544286 5	Homo septens ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA	Homo septems ATP-binding cassette, sub-family A (ABC1), member 3 (ABCA3), mRNA	Homo sepiens mannosidase, beta A, lysosomai (MANBA) gene, and ubiquitin-conjugating enzyme E2D 3 (UBE2D3) genes complete cds	Homo septiens HSPC151 mRNA, complete cds	DKFZp434l056_r1 434 (synonym: htes3) Homo sepiens cDNA clone DKFZp434l056 5	Homo sepiens hypothetical protein (DJ328E19.C1.1), mRNA	Homo sepiens sine oculis homeobox (Drosophila) homolog 1 (SIX1) mRNA	601281947F1 NIH_MGC_44 Homo saptens cDNA clone IMAGE:3604019 5	601281947F1 NIH_MGC_44 Hamo sapiens cDNA clane IMAGE:3604019 5	601281947F1 NIH_MGC_44 Hamo septems aDNA clane IMAGE:3804019 6	EST363799 MAGE resequences, MAGB Homo saplens cDNA	Human breakpoint cluster region (BCR) gene, complete cds	Human breakpoint cluster region (BCR) gene, complete cds
	Top Hit Database Source	K	IN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	뒫	ᅜ	EST_HUMAN	EST_HUMAN	M	<b>EST_HUMAN</b>	NT	M	K	M	۲	N	M	EST_HUMAN	H	NT		¥	EST_HUMAN	Z	۲	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	۲	토
Pigilo	Top Hit Acession No.				1.0E-117 AV717788.1	_	834689	10834989 NT	_	1		11		11420222 NT	D83778.1	11424835 NT	11424836 NT	.1	.1	7.	4501848 NT	4501848 NT	1 OE-417 AE224880 1		Ļ	7857016 NT	5174680 NT			1.0E-118 BE389705.1	9.1		
	Most Similar (Top) Hit BLAST E Vetue	1.0E-117 L76571.1	1.0E-117 L78571.1	1.0E-117	1.0E-117	1.0E-117 AI950145.	1.0E-117	1.0E-117	1.0E-117 AI904151.	1.0E-117 AI904151.	1.0E-117 D16524.1	1.0E-117 BE733922	1.0E-117	1.0E-117		1.0E-117	1.0E-117	1.0E-117 AB011541	1.0E-117 AB011541	1.0E-117 BE269856	1.0E-117	1.0E-117	4 OE-447	1.0E-118/	1.0E-118	1.0E-118 7	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118 U07000.1	1.0E-118 U07000.1
	Expression Signal	4.55	4.55	3.71	3.71	3.79	1.01	1.01	0.63	. 0.63	1.61	1.71	0.64	1.98	2.17	1.96	1.96	272	272	34.46	1.76	1.78	7	29	1.27	4.46	1.86	1.93	1.83	1.83	1.55	2.48	248
	ORF SEQ ID NO:	34004	34005		34122	34691	35042	35043	35144	35146	36046	36546	36713	37370	169/8	37850	19828	38101	38102	_	38383			28109	28136	26509	26923	28280	28281	28282		28760	
	Exan SEQ ID NO:	20641	20641	20747	20747	21280	24622	24622	27722	21722	22597	23071	25701	23854	24161	24322	24322	24542	24542	24608	24802	24802	2644	13189	13211	13589	15854	15256	15258	15256	15348	15743	15743
	Probe SEQ ID NO:	7683	7883	7785	7796	8811	8864	<b>8</b> 854	. 8754	8754	8654	10145	10306	10834	11207	11375	11375	- 1604	1804	11722	11821	11921	12430	F	8	518	93.	2742	2242	2242	2337	2750	2750

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Top Hit Descriptor Source	Hamo saplens PRKY exan 7	apo1105x1 NCi_CGAP_Kid5 Hamo sapiens cDNA clane IMAGE:19167693'	oportros xr NCI_CGAP_Kld5 Homo saplens cDNA clone IMAGE:191676933	Pongo pygmaeus DNA, similar to pol gene of HERV-W and MSRV, isolatic ORW3-3	Human mRNA for ribosomal protein, complete cds	Homo sepiens calcium channel gamma 4 subunit (CACNG4) gene, exon 3	Homo sapiens calcium channel gamma 4 subunit (CACNG4) gene, exon 3	Homo sepiens reelin (RELN), mRNA	Homo sepiens reelin (RELN), mRNA	Human GS2 gehe, exon 6	Human GS2 gane, exon 6	Human cystic fibrosis transmembrane conductance regulator (CFTR) gene, exon 4	Homo sapiens T-box 4 (TBX4), mRNA	Homo sapiens T-box 4 (TBX4), mRNA	Homo sepiens transient receptor potential channel 5 (TRPC5), mRNA	Homo septens latent transforming growth factor beta binding protein 2 (LTBP2) mRNA	Homo espiens latent transforming growfin factor beta binding protein 2 (LTBP2) mRNA.	DKFZp43400127_r1 434 (synonym: htes3) Homo sapiens cDNA cione DKFZp43400127 6	DKFZp43400127_r1 434 (synonym: htes3) Homo sapiens cDNA clone DKFZp43400127 5	Homo sepiens chromosome 2 open reading frame 3 (C2ORF3), mRNA	Homo sapiens very long chain acyl-CoA dehydrogenase gene, exons 1-20, complete cds	601489159F1 NIH_MGC_67 Hamo sepiens cDNA clane IMAGE:3872247 5	QV0-BT0263-090200-097-h03 BT0263 Homo sapiens cDNA	QV0-BT0263-080200-097-H03 BT0263 Homo septens cDNA	za8d07.rl Soares_NhHMPu_S1 Homo septens cDNA clone IMAGE:811789 5	zs8d07.r1 Scares_NH-MPu_S1 Homo sepiens cDNA clone IMAGE:811789 5	Human mRNA for KIAA0383 gene, pertial cds	Human mRNA for KIAA0383 gene, partial cds	Homo sepiens latent transforming growth factor beta binding protein 2 (LTBP2) mRNA	Homo septems latent transforming growth factor beta binding protein 2 (LTBP2) mPNA	601144863F2 NIH_MGC_19 Hamo sapiens cDNA clane IMAGE:3160502 5	DKFZp586K1824_r1 588 (synonym: hute1) Homo sepiens cDNA clone DKFZp589K1824	Homo sepiens hypothetical protein (DJ328E19.C1.1), mRNA	601307146F1 NIH_MGC_39 Hamo sapiens con Acone IMACE:3041003 o
Top Hit Detebase Source	± FN	EST_HUMAN   9	T_HUMAN	NT	IN IN	- IN					TN TA							EST_HUMAN [	EST_HUMAN [		±	EST_HUMAN 6	EST_HUMAN C	EST_HUMAN C	EST_HUMAN 2	EST_HUMAN 2	ᅜ	INT IN			HUMAN	T_HUMAN		EST_HUMAN
Top Hit Acession				1		1	1	11422054 NT	11422054 NT				11425900 NT	11425900 NT	11420764 NT	4557732 NT	4557732 NT	1	1.0E-118 AL043781.1	11431050 NT		1	3E062855.1	1 .	VA443024.1	VA443024.1	.1	.1	4557732 NT	4557732 NT	.1	1.0E-118 AL048474.2	7857016 NT	3E736213.1
Most Similar (Top) Hit BLAST E Vetue	1.0E-118 Y13632.1	1.0E-118 AI347694.1	1.0E-118 A1347694.1	1.0E-118 AB024469.	1.0E-118 D23660.1	1.0E-118 AF142824.	1.0E-118 AF142824.	1.0E-118	1.0E-118	1.0E-118 U08892.1	1.0E-118 U08892.1	1.0E-118 M55109.1	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118	1.0E-118 AL043781.	1.0E-118	1.0E-118	1.0E-118 L46590.1	1.0E-118 BE781223.	1.0E-118 BE062855.	1.0E-118 BE062855	1.0E-118 AA443024	1.0E-118 AA443024	1.0E-118 AB002381	1.0E-118 AB002381	1.0E-118	1.0E-118	1.0E-118 BE283134	1.0E-118	1.0E-118	1.0E-118 BE736213
Expression	3.87	4.61	4.61	0.98	5.07	1.86	1.88	99.0	0.68	0.58	0.58	4.1	0.95	0.95	1.81	1.79	1.79	1.07	1.07	6.13	0.72	241	7.01	7.01	1.39	1.39	1.02	1.02	1.32	1.32	5.12	0.63	2.29	0.48
ORF SEQ ID NO:		29/187	25/88	29924	30041	31508	31509	31984	31985	32074	32075	32741	32247	32248	32343			33611	33612							35126			35460	35461		35826		37115
SEO ID	16178	16285	16285	17010	17149	18597	18597	18807	18807	18892	18892	18954	1	19047	19134	19902	L		1	1	20816	L		L	21700	21700		21987		上		L		
Probe SEQ ID NO:	3121	3210	3210	3970	4118	5497	6497	5713	5713	2800	2800	5885	5962	2965	8053	98	8843	\$	ğ	7858	7872	<b>88</b>	8728	8728	8732	8732	1206	9021	9071	1708	0628	9421	8951	10698

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			Her to SW:ZP3A_HUMAN	27297723	nd similar to dynein, light									r to WP:E04F8.2							M0710 5	M0710 5	16128 3' skriller to			3,						
	Top Hit Descriptor	601307146F1 NIH_MGC_39 Homo sapiens cDNA clane IMAGE:3641603 5	7n17e09.x1 NCI_CGAP_Bm29 Homo sepiens cDNA clone IMAGE:3594785 3" similier to SW:ZP3A_HUMAN P21754 ZONA PELLUCIDA SPERM-BINDING PROTEIN 3A PRECURSOR;	UI-H-BW0-aio a-07-0-UI,s1 NCI_CGAP_Sub6 Homo sapiens cDNA clone IMAGE:27297723	EST188814 HCC cell line (matastasis to liver in mouse) II Homo sapiens cDNA 5' end striliar to dynain, light chain 1, cytoplasmic	601400514F1 NIH_MGC_70 Homo sepiens cDNA clone IMAGE:3901563 5	601499514F1 NIH_MGC_70 Homo sepiens cDNA clone IMAGE:3901563 5"	QVo-UM0091-120900-385-b12 UM0091 Homo sapiens cDNA	QV0-UM0091-120900-385-b12 UM0091 Homo sapiens cDNA	Homo septens flep structure-specific endonuclease 1 (FEN1), mRNA	Homo sapiens CGI-105 protein (LOC51011), mRNA	Homo sapiens mRNA for KIAA0930 protein, partial cds	Homo sepiens hypothetical protein FLJ10062 (FLJ10062), mRNA	on 10b05.s1 NCI_CGAP_Lu5 Hamo sapiens cDNA clone IMAGE:1556241 3' similar to WP:E04F6.2	CE01214; .	Homo sapiens glutamate receptor, tonotropic, terinate 1 (GRIK1) mRNA	AU133399 NTZRP4 Homo sepiens cDNA done NT2RP4001991 6	Human naurofibromin (NF1) gene, complete cds	RC1-NN0073-250800-018-g06 NN0073 Homo sepiens cDNA	AV683731 GKC Hamo sapiens cDNA clone GKCDHB03 5	DKFZp762M0710_r1 762 (synonym: hmel2) Homo sepiens cDNA clone DKFZp762M0710 5	DKFZp782M0710_r1 762 (synanym: hmei2) Hamo sapiens cDNA clane DKFZp782M0710 5	dp77c09.x1 Scares_fetal_heart_NbH119W Homo sapiens cDNA clone IMAGE:1706128 3' skrifar to SW:K1C.J_MOUSE P02535 KERATIN, TYPE I CYTOSKELETAL 10 ;	Homo sepiens matrix metalloproteinase 28 (MMP28) mRNA, complete cds	Homo sepiens matrix metalloproteinase 28 (MMP28) mRNA, complete cds	tm23f10.x1 Scares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2157451 3	Human c-fes/fips proto-oncogene	EST386296 MAGE resequences, MAGM Hamo sepiens cDNA	601592005F1 NIH_MGC_7 Hamo sepiens cDNA dane IMAGE:3946081 5	601280584F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE:3622528 5	Homo sapiens melanoma differentiation associated protein-5 (MDA5), mRNA	Homo saplers KIAA0477 gene product (KIAA0477), mRNA
	Top Hit Detebese Source	EST_HUMAN	EST HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	M	NT.	¥		EST_HUMAN	¥	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	Z	NT	EST_HUMAN	H	EST_HUMAN	EST_HUMAN	EST_HUMAN	눌	¥
	Top Hit Acession No.	BE736213.1	3F195407.1	4W296351.1	AA315007.1	1.0E-118 BE908678.1	3E908678.1	3F083687.1	1	6325465	7705607 NT	1.0E-119 AB023147.1	8922205 NT			504116	.1		.1	.1	1	1	_	Ļ	1	1		1.1	1	1.0E-119 BE615150.1	11545921 NT	11036643 NT
	Most Similar (Top) Hit BLAST E Value	1.0E-118 BE736213.	1.0E-118 BF195407	1.0E-118 AW296351	1.0E-118 AA315007	1.0E-118	1.0E-118 BE90867B	1.0E-118 BF083687.	1.0E-118 BF083687.	1.0E-118	1.0E-119	1.0E-119	1.0E-119		1.0E-119 AA916760	1.0E-119	1.0E-119 AU133399.	1.0E-119 M89914.1	1.0E-119 BE938121	1.0E-119 AV683731	1.0E-119 AL 134903	1.0E-119 AL 134903.	1.0E-119 AH50703.	1.0E-119 AF315683	1.0E-119 AF315883.	1.0E-119 AI476732.	1.0E-119 X06292.1	1.0E-119	1.0E-119 BE796614	1.0E-119	1.0E-119	1.0E-119
	Expression Signal	0.46	2.31	0.54	6.48	1.0	1.9	1.51	1.61	1.58	1.75	. 2.88	98'0		0.68	1.12	2.79	14.66	288	1.55	0.68	0.68	7.38	0.69	0.69	1	2.67	4.98	1.3	1.15	0.5	1.1
ŀ	ORF SEQ ID NO:	37116	37158	37328	38106		38352	38355	38356		27034	27972	. 29087			28929	31391	31404	31411	31538	31937	31938	32563	32730	32731	32778	32236	32952	33964	П		36879
	Exan SEQ ID NO:	23620	23683		24545	24765	24765	24768	24768	24911	15857	14973	16178		16308	17015	18513	18526	18531	18608	18766	18788	19323	19483	19483	19530	19663	19674	20600	21975	23039	23192
	Probe SEQ ID NO:	10898	10741	10839	11607	11884	11884	11887	11887	12036	1038	1960	3119		3264	3975	5410	5423	5428	2208	5671	5671	6250	6415	8415	8485	8604	6816	7846	6006	10113	10267

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ngle Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	8832705.11 NCL_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:814977 5	Homo sapiens partial 11-12RB1 gene for 11-12 receptor beta1 chain, exons 16-17	Homo sepiens hypothetical protein FLJ10208 (FLJ10208), mRNA	Homo sepiens hypothetical protein FLJ10208 (FLJ10208), mRNA	Homo septems Sod mRNA for stearcyl-CoA desaturase, complete ods	Homo sepiens pertial IL-12RB1 gene for IL-12 receptor beta1 chain, exons 16-17	Homo sepiens partial IL-127B1 gene for IL-12 receptor beta1 chain, excms 16-17	602186072F1 NIH_MGC_45 Homo sapiens cDNA clone IMAGE:4310633 5	RC3-CT0212-240898-011-f03 CT0212 Homo septlens cDNA	Homo sepiens synaptojenin 1 (SYNJ1), mRNA	Homo sepiens intersectin 2 (SH3D1B) mRNA, complete cds	Homo sapiens intersectin 2 (SH3D1B) mRNA, complete cds	yy40g12.rl Scares malanccyte 2NbHM Homo sapiens cDNA clone IMAGE:273788 5	Homo sapiens cysteine-rich repeat-containing protein SS2 precursor, mRNA, complete cds	Homo sapiens disintegrin and metalloprotease domain 10 (ADAM10) mRNA	Homo sepiens equeporin 4 (AQP4), splice variant b, mRNA	Homo sepiens synaphojanin 1 (SYNJ1), mRNA	Homo sepiens cAMP-specific phosphodiesterese &A (PDESA) mRNA, partial cds	Homo sepiens cAMP-specific phosphodiesterese &A (PDESA) mRNA, partial cds	Homo sepiena stannicoalcin (STC) gene, pertial cds	Homo sapiens stanniocalcin (STC) gene, partial cds	602183894F1 NIH_MGC_42 Hamo sapiens cDNA dane IMAGE:4300174 5	602183994F1 NIH_MGC_42 Hamo sepiens cDNA clane IMACE:4300174 5	Human P-ghycoprotean (MDR1) gene, exons 6 and 7	Human P-glycoprotein (MDR1) gene, excris 6 and 7	luman TBXAS1 gene for thrombosane synthese, expn 7	Human gene for neurofilament subunit M (NF-M)	Human gana for neurofilament subunit M (NF-M)	602035352F1 NCI_CGAP_Bm64 Hamo sepiens cDNA clane IMAGE:4183333 67	Homo sepiens mRNA for KIAA1231 protein, pertial cds	Homo sepiens mRNA for KIAA1231 protein, pertial cds	Homo sepiens mRNA, chromosome 1 specific transcript KIAA0495	Homo sapiens mRNA, chromosome 1 specific transcript KIAA0495	Homo sapiens mRNA for KIAA0465 protein, partial cds
s Exon Probes E	Top Hit Database Source	EST_HUMAN	IN TN			M		7	T	T_HUMAN		N F		EST_HUMAN									EST_HUMAN	EST_HUMAN	IN	NT	NT			T_HUMAN		NT			¥
Single	Top Hit Acessian No.	VA465124.1	1	11425837 NT	11426837 NT	1		1	1.0E-119 BF589571.1	1.0E-119 AW847519.1	07334	1.0E-120 AF248540.1	1.0E-120 AF248540.1	144873.1	1.0E-120 AF167708.1	4557250 NT	4755124 NT	4507334 NT	1.0E-120 AF058490.1	1	1	AF098463.1	3F568222.1	1.0E-120 BF568222.1	VI29428.1	W29428.1	334819.1	r00067.1	r00067.1	1.0E-120 BF337599.1	4B033057.1	4B033057.1	1.0E-120 AB007864.1	1.0E-120 AB007964.1	1.0E-120 AB007834.1
	Most Similar (Top) Hit BLAST E Vetus	1.0E-119 AA465124.	1.0E-119 A.J297701.	1.0E-119	1.0E-119	1.0E-119 AB032281.	1.0E-119	1.0E-119	1.0E-119	1.0E-119/	1.0E-120	1.0E-120	1.0E-120	1.0E-120 N44873.1	1.0E-120	1.0E-120	1.0E-120	1.0E-120	1.0E-120	1.0E-120 AF058490.	1.0E-120 AF099463.	1.0E-120 AF098463.	1.0E-120 BF568222	1.0E-120	1.0E-120 M29428.1	1.0E-120 M29428.1	1.0E-120 D34619.1	1.0E-120 Y00067.1	1.0E-120 Y00067.1	1.0E-120	1.0E-120 AB033057	1.0E-120 AB033057	1.0E-120	1.0E-120	1.0E-120
	Expression	5.31	1.12	6.73	0.73	0.79	1.86	1.86	13.43	3.21	0.09	1.6	1.6	2.56	2.5	1.4	1.08	1.34	1.81	1,81	267	267	13.85	13.85	0.63	0.53	1.84	1.78	1.78	282	0.75	0.75	2.5	2.5	1.13
	ORF SEQ ID NO:	37025	37290	37344	37345	87419	37870	37871			26322	27040	27041	27429	27614	27844	28558	26322	30297	30208	30606	30607	32008	32099	32910	32911	34147	34602	34603	35068	35138	35139	1		35185
	Exam SEQ ID NO:	23530	23790	23831	23831			24340		25901	13395	14088	14088	14455	14637		15537	13395	17413	17413	17712	17712		18916	19643	19643	20771	21185	21195	21643	21715	21715	٠,		21783
	Probe SEQ ID NO:	10608	10870	10911	1001	10985	11394	11394	11535	12486	301	1042	1042	1422	1605	<u>1</u> 82	2534	3318	4385	4385	4691	4691	5825	2826	8839	2899	7823	8228	9228	8675	8747	8747	8751	8751	8788

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		П		Г	Т		П							Г		П		_	Τ	Τ	Γ	П							Г		П	П	
	Top Hit Descriptor	601307739F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE3825544 5	801307739F1 NIH_MGC_44 Hamo sapiens cDNA clane IMAGE:3625544 5	6018888956F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:4122876 5	AU133205 NT2RP4 Homo sepiens cDNA clone NT2RP4001641 5	Novel human game mapping to chomosome 13, similar to rat RhoGAP	CALBTD43-090289-075 BT043 Homo septems cDNA	Homo saplens mRNA for KIAA1077 protein, partial cds	601176727F1 NIH_MGC_17 Hamo septens cDNA clane IMAGE:3532015 5	601443135F1 NIH_MGC_65 Hamo septens cDNA clane IMAGE:3847281 6"	601443135F1 NIH_MGC_65 Hamo septiens cDNA clane IMAGE:3847281 5	Human muscle glycogen phosphaylase (PYGM) gene, 6UTR and exan 1	Homo saplens calcineurin binding protein 1 (KIAA0330), mRNA	Homo saplens NF2 gene	AU134963 PLACE1 Homo saplens cDNA dans PLACE1000899 67	Homo sepiens TNF receptor-essociated factor 1 (TRAF1) mRNA	Homo sapiens inosital polyphosphata 4-phosphatase, type I, 107t0 (INPP4A), splice variant a, mRNA	Homo seriens inostra notunhosontate 4-phosontates a total (1070) (INPPAA) sorten a mRNA	Homo sepiens metabotropic glutamate receptor 1 beta (mGluR1beta) mRNA, complete cds	Homo sepiens serine paintibol transferese, subunit II gene, complete cds, and unknown genes	Homo septens hirlb3 gene for hair keretin, exons 1 to 9	Homo sapiens hirlb3 gene for hair kenatin, exons 1 to 9	Homo sepiens mRNA for KIAA1337 protein, pertial cds	Homo septens mRNA for KIAA1337 protein, partial cds	Homo sapiens adaptor-related protein complex AP-4 epsilon subunit mRNA, complete cds	457b01x1 NCI_CGAP_Pan1 Homo septems cDNA clone IMAGE:20054173	H.saplens ECE-1 gene (exon 17)	Homo septems syneptojemin 1 (SYNU1), mRNA	MAGRICAT NCI_CGAP_Lu24 Homo sapiens cDNA clone IMAGE:3168119 3'	601140485F1 NIH_MGC_9 Homo septens cDNA clone IMAGE:3048820 5	Homo sapiens Xq pseudosutosomal region; segment 2/2	RC3-NN0068-270400-011-f02 NN0068 Homo saplens cDNA	RC3-NN0068-270400-011-f02 NN0068 Home septens cDNA
	Top Hit Delabase Source	EST_HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	¥	EST_HUMAN	F	EST HUMAN	EST_HUMAN	EST_HUMAN	NT	TN	¥	EST_HUMAN	¥	¥		Ę	¥	Į.	¥	NT	TN	TN.	EST_HUMAN	TN	NT	EST_HUMAN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN
218	Top Hit Acessian No.	1.0E-120 BE392102.1	1.0E-120 BE392102.1	1.0E-120 BF306541.1	1.0E-120 AU133206.1	1	1.0E-120 AI904151.1	1.0E-120 AB029000.1	1.0E-120 BE296387.1	1.0E-120 BE867619.1	1.1		11417862 NT		1.0E-121 AU134963.1	5032192 NT	4755139 NT	4756430 NT		1.0E-121 AF111168.2			1	1	2			4507334 NT	₹.	1		1.1	1.0E-121 AW898086.1
	Most Similar (Top) Hit BLAST E Value	1.0E-120	1.0E-120	1.0E-120	1.0E-120	1.0E-120 AL049801.	1.0E-120	1.0E-120	1.0E-120	1.0E-120	1.0E-120	1.0E-120 U94774.1	1.0E-120	1.0E-121 Y18000.1	1.0E-121	1.0E-121	1.0E-121	4 OE-124	1.0E-121 L78831.1	1.0E-121	1.0E-121 Y19208.1	1.0E-121 Y19208.1	1.0E-121 AB037758	1.0E-121 AB037758.	1.0E-121 AF165158	1.0E-121 AI263294.1	1.0E-121 X91937.1	1.0E-121	1.0E-121 BE222250	1.0E-121 BE271424.	1.0E-121	1.0E-121	1.0E-121
	Expression Signal	4.14	4.14	3.89	7.33	0.67	0.51	3.02	19.45	2.6	25	223	1.45	26.0	1.92	1.83	1.17	4 47	1.36	1.69	3.41	3.41	0.84	0.84	8.63	1.39	3.4	0.93	0.86	0.58	0.7	0.82	0.82
	ORF SEQ ID NO:		L		36524			38846	37852				31785	28113	26392	12 <i>1</i> 82	28007	SOUR C	28149	28961	29067		22518	29519	29848	30267		31067	31198	31801		31230	31231
	Exem SEQ ID NO:	22795	22795	23028	23044	23061	23177	23368	24404	24638	24638	24842	25318	13191	13462	15848	15004	15004	15129	16038	16154	16154	16593	16593	16733	17385	18026	18191	18445	18737	20094	18387	18387
	Probe SEQ ID NO:	9820	8828	10102	10118	10135	10262	10436	11461	11672	11672	11963	12632	72	878	725	88	80	2112	2882	3097	3097	3547	3547	3600	4358	5012	5182	5340	5641	7072	7165	7156

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	Top Hit Descriptor	Homo sapiens gamma-aminobutyric acid (GABA) A recaptor, alpha 2 (GABRA2), mRNA	Homo sepiens DNA for prostacyciin synthase, exon 8	Homo sapiens DNA for prostacyclin synthase, exon 8	ka05g05.y/ Human Pærcreatic kslets Homo saplens cDNA 5' similar to TR:075457 075457 CYTOSOLIC PHOSPHOLIPASE A2-GAMMA.;	ROSGOS.y1 Human Pancreatic Islets Homo seplens cDNA 5' similar to TR:075457 075457 CYTOSOLJC PHOSPHOLIPASE A2-GAMIMA.;	Homo sapiens COX11 (yeast) homolog, cytochrome c oxidasse assembly protein (COX11), mRNA	Homo sepiens UDP-glucuronosyltransferase 2B4 precursor (UGT2B4) mRNA, UGT2B4*E459 ellele, complete cde	Home series chierte intracellular channel 4 Ilia (QJC4L) mRNA	CALLE WHITE CHANGE CONTRACT CO	W/4601.81 Sogres teas time speech TNFLS from Septems CUVA CACIFC INFACELY-10446 5	AUT18320 FEMBAT HORIO SEDIETS CLIVA CACIE FEMBATIOUSSOS	Homo sepiens T-cell lymphome invasion and metastasts 1 (TIAM1), mKNA	Homo sepiens intersectin short isoform (TISN) mRNA, complete cds	Homo sepiens T-cell lymphoma invasion and metastasis 1 (TIAM1), mRNA	Homo sepiens intersectin short isoform (ITSN) mRNA, complete cds	Human kappa-immunoglobulin germtine pseudogene (Chr22.4) variable region (subgroup V kappa II)	Homo septems cysteine-rich repeat-containing protein SS2 precursor, mRNA, complete cds	Homo septens collegen, type XII, elpha f (COL12A1), mRNA	Homo sepiens collagen, type XII, alpha 1 (COL12A1), mRNA	601497032F1 NIH_MGC_70 Homo sepiens cDNA clone IMAGE-3888838 6	601896173F1 NIH_MGC_19 Homo sapiens cONA clone IMAGE-4125234 5	601896173F1 NIH_MGC_19 Hamo sapiens cDNA clane IMAGE:4125234 5	Homo septiens FYVE domain-containing dual specificity protein phosphatase FYVE-DSP2 mRNA, comptee	608	Homo sepiens amykid beta (A4) precursor protein (protease nech-II, Abheimer disease) (APP), mRNA	ULHF-BN0-all-a-03-0-UI.r1 NIH_MGC_50 Homo saplens cDNA clone IMAGE:3078948 5	801113567F1 NIH_MGC_18 Homo septems cDNA clone IMAGE:3354232 5	601113567F1 NIH MGC_16 Hamo septems GDNA GRANGE:3354232 3	8K4QN06.s1 Sogres_rests_NH I Hamo sepiens CLNNA dane IMALSE: 14U8539 3
	Top Hit Database Source		TN.	NT IN	EST_HUMAN						Т	HOMAN		ᅜ		M	¥	NT			EST HUMAN	EST HUMAN	EST_HUMAN		- FX			П	П	EST HUMAN
	Top Hit Acession No.	11436217 NT			1.0E-121 AW683858.1	-	11427788 NT	5007300	1000	2000		AU118320.1	11526176 NT	1.0E-122 AF114488.1	11526178 NT	1.0E-122 AF114488.1		1.0E-122 AF167708.1	11418424 NT	11418424 NT	1.0E-122 BE906024.1	1.0E-122 BF316170.1	1.0E-122 BF316170.1		1.0E-122 AF264717.1	4502168 NT	1.0E-122 AW504645.1	1.0E-122 BE256039.1	3E256039.1	1.0E-122 AA868671.1
}	Most Similar (Top) Hit BLAST E Vatue	1.0E-121	1.0E-121 D84122.1	1.0E-121 D84122.1	1.0E-121	1.0E-121	1.0E-121			וישר-	1.0E-121 N59824.1		1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122 M20707.1	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.05-122	1.0E-122		1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.0E-122	1.05-122
	Expression Signal	1.67	222	222	0.79	6.0	1.87		7.97	3.01	3.42	422	223	3.36	21	3.20	16.96	1.02	1.67	1.67	5.11	8.15	8.15		0.94	1.03	1.4	1.31	7.59	9.0
	ORF SEQ ID NO:	34649	34653	34654	36630	3883	37619		3/629	37783	37815	38175	26287	26347	26372	26897	27249	27714	27741	27742	27856	28528	28529		28834	30789		31904		
	SEQ ID NO:	21238	21242	21242	23142	23142	24090	l	- 1		24290	24600	13363	13425	13445	13938	14262	14732	14755	14755	14858	L.	_		15911	17900	18039	18739		20380
	Probe SEQ ID NO:	8289	8273	8273	10217	10217	41130		11.88	11316	11340	11684	287	88	358	88	1224	1702	1725	1725	1831	2489	2489		2851	4883	6026	5843	6920	7422

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	Top Hit Descriptor	AU118435 HEMBA1 Homo sapiens cDNA done HEMBA1003591 5	yg84e03.11 Soares fetal liver spieen 1NFLS Homo sapiens cDNA clone IMAGE:202444 6' similar to SP:YAK1_YEAST P14680 PROTEIN KINASE YAK1;	Human growth hormone releasing hormone gene, exon 7	Human HBRAVO/Ni-CAM precursor (hBRAVO/Nr-CAM) gene, complete cds	Homo sepiens heparan sulfate (glucosamine) 3-0-sulfotransferase 2 (HS3ST2), mRNA	Homo sepiens 2-5 digosdenylabe synthetase 2 (OAS2), mRNA	601152815F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3509162 5	y68d11 _1 Soares melanocyte 2NbHM Homo sapiens cDNA clone IMAGE:268917 5' similar to PIR:S49611 S49611 protein khase PiqA - Phycomyces blakesleeanus ;	ye89d11.r1 Sceres melanocyte 2Nb-IM Homo sapiens cDNA clone IMAGE:288917 5' similar to PIR:S48811	S49611 protein kinase PhpA - Phycomyces biakesteeanus ;	AU131881 NT2RP3 Homo sapiens cDNA clone NT2RP3003409 5	AU131881 NTZRP3 Homo sapiens dDNA clone NT2RP3003409 6'	RC4-BT0311-251189-012-607 BT0311 Homo saplens cDNA	Hamo sapiens mRNA for KJAA0454 protein, partial ods	Oryctolegus cuniculus New Zealand white elongation factor 1 alpha (Rabeflaz) mRNA, complete cds	Homo sepiens Jerky (mouse) homolog-tilse (JRVL), mRNA	6020987791F1 NIH_MGC_83 Homo sepiens aDNA clane IMAGE-4250879 5	602086791F1 NIH_MGC_83 Homo septens cDNA clone IMAGE:4250879 5	Homo sapiens T-cell lymphoma invesion and metastasis 1 (TIAM1) mRNA	Homo saptens T-cell lymphoma investon and metastasts 1 (TIAM1) mRNA	Hamo sepiens DNA for emyloid precursor protein, complete cds	Homo seplens chromosome 21 segment HS21C046	281b04.11 Stratagene schizo brain S11 Homo sapiens cDNA clone IMAGE:728719 6' similar to TR:G300482  G300482 POL-REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);	281b04.11 Strategene schizo brain S11 Homo sapiens cDNA clone IMAGE:728719 6' similar to TR:G300482	G300482 POL=REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT);	Human putative ribosomal protein S1 mRNA	Homo septens T-cell lymphoma invasion and metastasis 1 (TIAM1) mRNA	Homo sepiens hypothetical protein (HSPC068), mRNA	Hamo septens glucose transporter 3 gene, exans 9, 10, and complete cds	Homo seplens glucose transporter 3 gene, exons 9, 10, and complete cds
	Top Hit Database Source	EST_HUMAN	EST HUMAN	F	NT	NT	NT	EST_HUMAN	EST HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Nī	Ιχ	Į.	EST HUMAN	EST HUMAN	Ę	¥	Į,	ᅜ	EST HUMAN		<b>EST_HUMAN</b>	MT	NT	M	N.	토
28	Top Hit Acession No.	1.0E-123 AU118435.1	153198.1	J42224.1	J55258.1	41525833 NT	11436439 NT	1.0E-123 BE283001.1	435841.1		K35841.1	1.0E-123 AU131881.1	1.0E-123 AU131881.1	1.0E-123 AW371924.1	1.0E-123 AB007923.1	J09823.1	4504808 NT	1.0E-123 BF677292.1	1.0E-123 BF677292.1	4507500 NT	4507500 NT	D87675.1	1.0E-124 AL163246.2	1.0E-124 AA397551.1		1.0E-124 AA397551.1	1.0E-124 AF155654.1	4507500 NT	7705446 NT	1.0E-124 AF274892.1	1.0E-124 AF274892.1
	Most Similar (Top) Hit BLAST E Value	1.0E-123	1.0E-123 H53198.1	1.0E-123 U42224.1	1.0E-123 U65258.1	1.0E-123	1.0E-123	1.0E-123	1.0E-123 N35841.1		1.0E-123 N35841.1	1.0E-123	1.0E-123	1.0E-123	1.0E-123	1.05-123 (109823.1	10E-123	1.0E-123	1.0E-123	1.0E-124	1.0E-124	1.0E-124 D87675.1	1.0E-124	1.0E-124		1.0E-124	1.0E-124	1.0E-124	1.0E-124	1.0E-124	1.0E-124
	Expression Signal	1.97	0.83	124	0.57	6.0	1.28	1.87	0.71		0.71	0.5	0.5	1.43	2.03	31.72	440	53	5.3	1.18	1.18	0.79	211	8.04		8.04	6.06	1.34	4.34	12.68	12.68
	ORF SEQ ID NO:	32940	33564		L			34244	34418		34420	34626			36205	36253		38400					28485			26684	28763		26916		
	SEQ ID	19871	ļ		<u> </u>	20592	20847			1	21020		21217			27789	2203	24905	L	1_		1	L.,	<u></u>		13754	13818	<u>L</u>	<u> </u>		Ш
	Probe SEO ID NO:	8813	7100	7242	7400	7632	786	7913	808	1	8083	8248	8248	888	9724	12000	40370	286	12020	288	288	274	488	8		885	758	88	505	1349	1349

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Single Exon Probes Expressed in Bone Marrow	Top Hit Acessian Database Top Hit Descriptor No. Source	1 EST_HUMAN	TA	.1 EST_HUMAN	1 EST_HUMAN	1 EST_HUMAN	.1 EST_HUMAN	.1 EST_HUMAN	M	17862 NT	7862 NT	INT	1 EST HUMAN	1 EST_HUMAN	EST_HUMAN	Į.	.1 EST_HUMAN	2 NT	882270 NT	7661867 NT Hamo sepiens KIAA0022 gene product (KIAA0022), mRNA	Ā	N F	NT	EST_HUMAN	4696 NT	4504696 NT Homo sapiens Inhibin, alpha (INHA) mRNA	6018009.1 EST_HUMAN ZINC FINGER PROTEIN.;	
		7E-124 AW6	<b>JE-124 U947</b>	DE-124 AWG	XE-124 A1448	XE-124 A1446	XE-124 AA39	DE-124 AA39	DE-124 ABO	0E-124	0E-124	0E-125 AB03;	0E-125 BE74	0E-125 AI110	0E-125 Al1100	0E-125 AF284	DE-125 AA042	0E-125 AL 163	0E-125	0E-125	0E-125 U78	0E-125 AF0	0E-125 AF0	0E-125 AA0	OE-125	0E-125	0E-125 BE	
	Most Similar Expression (Top) Hit Top Signal BLAST E	1.76 1.0E-124 AW603766	1.53 1.0E-124 U94778.1	5.95 1.0E-124 AW665663	2.06 1.0E-124 AI446455.		4.06		1.36	1.67	1.67	-10.43 1.0E-125 AB032898.1	5.43	1.26	1.26	2.34 1.0E-125 AF264750	1.04	1.16	22	1.99 1.0E-125	1.65	2.84	284	1.78	1.19		1.19	
	Most Similar ORF SEQ Expression (Top) Hit ID NO: Signal BLAST E Value	36645 1.76	37862 1.53	38169 5.85	37479 2.06	37480 2.08	26883 4.00	28684 4.06	31749 1.36	31436 1.67	31437 1.67	-10.43	28019 . 5.43	26632 1.26	28633 1.26	26725 2.34	26875 1.61	27003 1.16	27148 22	27692 1.99	27836 1.65	27852 2.84	27853 2.84	28395 1.78	28626 1.19	28627 · 1.19	20001 1.19	
	Most Similar Expression (Top) Hit Signal BLAST E Value	1.76	24333 37862 1.53	24596 38169 5.85	23956 37479 2.06	23956 37480 2.08	13754 26883 4.06	13754 28684 4.06	25383 31749 1.36	25852 31436 1.67	25852 31437 1.67	13411	5.43	26632 1.26	13711 28633 1.26	234	<del>1</del> .9	14051 27003 1.16	14198 27148 22	15874 27692 1.99	1.65	27852 2.84	284	15374 28395 1.78	15604 28626 1.19	15604 28627 · 1.19	18311 29001 1.19	

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Single Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	263c07.s1 Sceres_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:486540 3' similar to gbcx85857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMP07E (HUMAN);	Homo sepiens zho finger protein ZNF287 (ZNF287), mRNA	Homo sapiens zinc finger protein ZNF287 (ZNF287), mRNA	60/14/152F1 NIH_MGC_9 Hamo sepiens aDNA dane IMAGE:31407865	Homo saplens KIAA0985 protein (KIAA0985), mRNA	QV2-HT0577-010500-165-b08 HT0577 Hamo saplens cDNA	601433472F1 NIH_MGC_72 Homo septens cDNA clone IMAGE:3918962 67	tu67c07x1 NCI_CGAP_Gas4 Homo sapiens cDNA clone IMAGE:2258108 3' smiler to WP:C45G9.2 CE01854;	601305670F1 NIH_MGC_39 Homo sapiens cDNA clone IMAGE:3640097 6	601335826F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3689790 5	601335828F1 NIH_MGC_44 Homo septiens cDNA clone IMAGE:3689780 5	Hamo sapiens IGFII gene, exan 5	Homo sapiens IGF-II gene, exon 5	601155076F1 NIH_MGC_21 Homo sepiens cDNA clone IMAGE:3505603 5	Homo sapiens adaptor-related protein complex 2, beta 1 subunit (AP2B1), mRNA	Plumen chromosome 10 clupiticated adrendeukodystrophy (ALD) gene segment containing exons B-10	01-8 snow gridnishoo thempes eneg (QLA) yriqodeybokuelorenba balacilqub 01 emosomorto nemul	QV1+HT0638-070500-191-d12 HT0638 Homo sapiens cDNA	QV1-HT0638-070500-191-d12 HT0638 Homo sapiens cDNA	th 5263.cd NCI_COGAP_Kid11 Homo septens cDNA clone IMAGE:2171981 3' similar to TR:Q14089 Q14089 HYPOTHETICAL PROTEIN ;	601590345F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3944531 5'	Human mRNA for KIAA0300 gene, partial cds	Homo sapiens HREL gene, exon 5	X75802.X1 NCI_CGAP_G884 Homo sapiens cDNA chone IMAGE:2822383 3' similer to TR:Q13284 Q13284 LAMBDA/IOTA PROTEIN KINASE C-INTERACTING PROTEIN. [1] ;	x159102.x1 NC]_CGAP_ Ges4 Homo sepiens cDNA clone IMAGE:2822363 3' similar to TR:Q13284 Q13284 LAMBDA/OTA PROTEIN KINASE C-INTERACTING PROTEIN. [1] ;	Homo sapiens mRNA for KIAA0687 protein, partial cds	Homo septens myosin, heavy polypeptide 1, skeletal muscle, edult (MYH1), mRNA
XOII FIODES D	Top Hit Detabase Source	EST_HUMAN	NT	NT	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	. IN	IN	EST_HUMAN	NT	NT	¥	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	¥	NT	EST_HUMAN	EST HUMAN	NT	F
Single	Top Hit Acessian No.	AA042813.1	11425114 NT	11425114 NT	1.0E-125 BE315412.1	11436448 NT	1	.1	1	+	.1	-			BE278823.1	11425572 NT			-	1	_	Ļ		1.0E-125 AF043458.1		12	-	7889505 NT
	Most Similar (Top) Hit BLASTE Value	1.0E-125	1.0E-125	1.0E-125	1.0E-125	1.0E-125	1.0E-126 BE176169.	1.0E-125 BE892660	1.0E-125 AI679004.	1.0E-125 BE736055	1.0E-125 BE562528	1.0E-125 BE562526.	1.0E-125 X03427.1	1.0E-125 X03427.1	1.0E-125	1.0E-125	1.0E-125 U90288.1	1.0E-125 U90288.1	1.0E-125 BE181640	1.0E-125 BE181640	1.0E-125 AI565996.	1.0E-125 BE794578.	1.0E-125	1.0E-125	1.0E-126 AW131202	1.0E-125 AW131203	1.0E-125 AB014567	1.0E-125
	Expression Signal	1.11	1.86	1.86	1.68	1.47	1.01	3.58	9.0	0.68	1.29	1.29	5.05	5.05	1.04	0.54	0.99	0.0	125	126	98'0	0.65	0.74	254	1.97	1.87	289	208
	ORF SEQ ID NO:	29821	30498	30488				82828	32378	32728	33068	33069	33296	33297	34100	34363	35278	35279	35875	35876	36219	37242	37280	37533	37610	37611	37963	38121
	SEQ ID NO:	16911	17802	17602	17999	19058	19078	19123	10166	19481	19789	19789	19998	18998	20728	20969	21857	21857	22437	22437	22764	23740	23780	24006	24084	24084	24414	24559
	Probe SEQ ID NO:	3872	4580	4580	4648	5973	6894	9041	9809	6413	6733	6733	7283	7283	7775	8032	8891	889	8473	2	9738	10819	10880	11042	11124	11124	11471	11621

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INTERPORT PROPERTY ASSECTION MAINTON	Top Hit Descriptor	Homo sapiens poly(A) binding protein II (PABP2) gene, complete cds	RC3-ST0186-250200-018-c11 ST0186 Homo sepiens cDNA	QV3-BT0569-020200-075-g09 BT0569 Homo saplens cDNA	QV3-BT0569-020200-075-g09 BT0569 Homo sapiens cDNA	602/38874F1 NIH_MGC_48 Hamo septens cDNA clone IMAGE:4300770 5	Homo sapiens CDC-like kinase (CLK) mRNA	H.sapiens gene for alphat-entichymotrypstn, exon 3	Homo sepiens hypothetical protein FLJ20048 (FLJ20048), mRNA	Homo sepiens hypothetical protein FLJ20048 (FLJ20048), mRNA	Homo sapiens RAN binding protein 2 (RANBP2), mRNA	2572c03.r1 Strategene pancrees (#637208) Homo sepiens cDNA clone iMAGE:692420 6	zo 72c03.r1 Stratagans pancreas (#837208) Homo sapiens cDNA clone IMAGE:592420 51	UHHBIA ace-b-05-0-Ul.s1 NCI_CGAP_Sub8 Homo sepiens cDNA clone IMAGE:3084608 3'	UHHBM-ace-b-05-0-UI.s1 NCI_CGAP_Sub8 Hamo sepiens aDNA clane IMAGE:3084608 3'	H.septens DNA for liver cytochrome b5 pseudogene	Homo sapiens death receptor 6 (DR6), mRNA	Homo saptens collegen type XI alpha-1 (COL11A1) gene, exon 63	Homo sapiens collagen type XI alpha-1 (COL11A1) gene, excn 63	yc/78c08.r1 Soares melanocyte ZNbHM Homo saptiens cDNA clone IMAGE:287850 5'	ys52512.s1 Sogres fetal liver spleen 1NFLS Homo sapiens dDNA clone IMAGE:866273'	2068603.71 Soerres_total_fectus_Nb2HFB_9w Homo septems cDNA clone IMAGE:788444 6' strmfar to	TR:G1145880 G1145880 TITIN;	Homo expiens mRNA for KIAA1525 protein, partial cds	Homo sapiens mRNA for KIAA1525 protein, pertital cds	Homo sepiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete ods	Hamo expiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds	AU136463 PLACE1 Homo septens cDNA done PLACE1004325 5	W06f01.x1 Scenes_NRT_G8C_S1 Homo septems cDNA clone IMAGE:2350009 3' similar to	SW-MPP2_HUMAN Q14168 MAGUK P55 SUBFAMILY MEMBER Z;	Homo sepiens mRNA for KIAA1294 protein, partial cots	Homo sepiens mRNA for KIAA1294 protein, pertial cds	Human mRNA for ankyrin (variant 2.1)
XOII FIODES	Top Hit Darlabase Source	¥	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	NT	NT	Ŋ	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	N	¥	N	IN	EST_HUMAN	EST_HUMAN		EST_HUMAN	Ę	LN LN	NT	M	EST_HUMAN		EST_HUMAN	Ę	Z	ᅜ
aiguic	Top Hit Acession No.	1.0E-125 AF028029.1	W812899.1	1.0E-125 BE074287.1	1.0E-125 BE074267.1	1.0E-125 BF683645.1	4758007 NT	(68735.1	8923056 NT	8923056 NT	6382078 NT	A160709.1	1.0E-126 AA160709.1	3F510408.1	1.0E-126 BF510408.1	(53941.1	7857038 NT	VF101108.1	1.0E-126 AF101108.1	434078.1	T66998.1		VA480075.1	\B040958.1	\B040958.1	1.0E-128 AF257737.1	4F257737.1	1.0E-128 AU138483.1		1.0E-126 Al806483.1	1.0E-126 AB037715.1	1.0E-126 AB037715.1	K16609.1
	Most Similar (Top) Hit BLAST E	1.0E-125/	1.0E-125 AW812899	1.0E-125	1.0E-125	1.0E-125	1.0E-128	1.0E-128 X68735.1	1.0E-128	1.0E-128	1.0E-126	1.0E-126 AA100709.1	1.0E-128	1.0E-126 BF510408.1	1.0E-126	1.0E-128 X53941.1	1.0E-128	1.0E-128 AF101108.	1.0E-128	1.0E-128 N34078.1	1.0E-128 T66998.1		1.0E-126 AA460075.	1.0E-126 AB040858.	1.0E-126 AB040958.	1.0E-128	1.0E-126 AF257737.	1.0E-128	İ		1.0E-126	1.0E-126	1.0E-126 X16609.1
	Expression Signal	3	1.68	4.32	4.32	1.48	6.16	9.0	16.0	16.0	1.41	7.58	7.58	1.02	1.02	0.75	209	1.15	1.15	1.38	0.71		3.23	3.5	3.5	96.0	0.98	0.64		0.68	0.92	0.92	4.9
	ORF SEQ ID NO:	38126		38286		32427	28780	26926	28383	28384	28628			28060		ļ	29626		30742		L		32672	82739	32740					34362	34587	34588	Ш
	SEQ ID	24584	24615	24713	24713	18942	13834	13974	15361	15361	15605		16145	16146	16146	16688	16711	17843	17843	17889	18879		19429	19489		ì	20696	20908		20968	21179	21179	Ш
	Probe SEO ID NO:	11628	11729	11830	11830	12106	776	026	2352	2352	2605	3087	3087	808	3088	3645	3998	4828	4826	4872	5787		8380	8422	6422	7742	7742	0962		8031	8210	8210	8320

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Table 4
Single Exon Probes Expressed in Bone Marrow

ſ			Г	Г	П	П		Г	Г		Г	Ī	Γ	Г	Г		Т						_	_							
	Top Hit Descriptor	INSTAB12.81 NCI_CGAP_EW1 Homo sepiens dONA done IMAGE.909983 similar to SW:TSG6_HUMAN P98068 TUMOR NECROSIS FACTOR-INDUCIBLE PROTEIN TSG-6 PRECURSOR;	Homo sapiens neuro-oncological ventral entigen 1 (NOVA1), spiice variant 1, mRNA	602139138F1 NIH_MGC_46 Hamo septens cDNA clane IMAGE:4298240 6	601149404F1 NIH_MGC_19 Hama sapiens cDNA clane IMAGE:3502129 5	601577081F1 NIH_MGC_9 Hamo sapiens cDNA clame IMAGE:3828885 5	Homo sapiens mRNA for casein kinase I epsilon, complete cds	Homo saplens mRNA for casein kinase I epsiton, complete cds	Homo sapiens mRNA for casein kinase I epsilon, complete cds	Homo septens mRNA for casein kinase I epsiton, complete cds	Homo septens DNA for amykoid precursor protein, complete cds	Homo saplens DNA for amyloid precursor protein, complete cds	Homo septens intersectin short isoform (ITSN) mRNA, complete cds	Homo septens lost on transformation LOT1 mRNA, complete cds	Homo sapiens ubiquitin specific protesse 8 (USP8) mRNA	Homo sapiens leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1 (LILRA1), mRNA	Homo sapiens leukocyje immunoglobulin-like receptor, subfamily A (with TM domain), member 1 (LILPA1),	MENA	Homo septens ribosomal protein L26 (RPL28) mRNA	Homo sapiens adlican mRNA, complete cds	Human mRNA for cytokeratin 18	zx42s02.r1 Scares_total_fetus_Nb2HF8_9w Homo saptens cDNA clone IMAGE:789098 5	242802.r1 Sogres_total_fetus_Nb2HF8_9w Homo saptens cDNA clone IMAGE:789098 5	Homo sapiens intersectin short isoform (ITSN) mRNA, complete cds	8u80e08.y1 Schneider fetal brain 00004 Homo sepiens cDNA clone IMAGE:2782594 5' similer to TR:015170 015170 TRANSCRIPTION FACTOR S-ILRELATED PROTEIN ;contains element MER22	repetitive element;	Homo saplens chromosome 21 segment HS21C047	Homo saptens neuroblestoma-emplified protein (LOC51594), mRNA	Homo saplens neuroblastoma-amplified protein (LOC51594), mPNA	Homo sapiens cytochrome P450 retinoid metabolizing protein P450RAI-2 mRNA, complete ods	Homo septiens RAD1 (S. pombe) hamolog (RAD1) mRNA, and translated products
2001	Top Hit Detaberse Source	EST_HUMAN	ь.	EST HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	TN	IN	TN	TN	Ę	Ę	뉟	NT	攴	¥		M	NT	IN	NT	EST_HUMAN	<b>EST_HUMAN</b>	Z		EST_HUMAN	NT	M	NT	NT	N.
a Grand	Top Hit Acession No.	44483368.1	4505424 NT	1	3E261660.1	3E743022.1	4B024597.1	4B024597.1	Į,	.1			1		4827053 NT	5803065 NT		5803065 NT	4506620 NT	1		.1	٦.	Į		4W161297.1	1.0E-127 AL163247.2	T706239 NT	08239	1.0E-127 AF252297.1	4506384 NT
	Most Similar (Top) Hit BLAST E Vatue	1.0E-128 AA483368	1.0E-126	1.0E-128 BF683175.	1.0E-126 BE281660	1.0E-126 BE743922	1.0E-127 AB024597.	1.0E-127 AB024597.	1.0E-127 AB024597.	1.0E-127 AB024597	1.0E-127 D87675.1	1.0E-127 D87675.1	1.0E-127 AF114488.	1.0E-127 UT2821.2	1.0E-127	1.0E-127		1.0E-127	1.0E-127	1.0E-127 AF245505.	1.0E-127 X12881.1	1.0E-127 AA450131.	1.0E-127 AA450131	1.0E-127 AF114488.		1.0E-127 AW 161297	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127
	Expression Signal	1.02	77.0	4.45	2.98	7.78	1.37	1.37	1.7	1.7	6.0	6.0	96.0	2.54	1.18	4.83		4.83	10.89	3.28	223	1.15	1.15	86.0		0.84	0.64	20.15	20.15	1.42	5.27
ŀ	ORF SEQ ID NO:	34807	36665	37692	38315	31207	26201	26202	26201	26202	36238	26297	26896	26925	27712	28413		28114	28246	28380	28840	28651	28852	29658		20768	30159	30189	30190	30436	30541
ľ	Exan SEQ ID NO:	21482	23080	24162	24729	18352	13275	13275	13275	13275	13369	13360	13937	13971	14730	15097		15097	15225	15358	15615	15627	15627	16745	_	16884	17278	17311	17311	17548	17654
	Probe SEQ ID NO:	8524	10166	11208	11846	12768	173	173	174	174	273	273	882	216	1700	2080		<b>2080</b>	2210	2349	2817	2628	2628	3702		3824	4249	4282	4282	4523	4633

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Single Exon Probes Expressed in Bone Marrow

	Top Hit Descriptor	Homo sapiens chromosome 21 segment HS21C088	Hamo septens Ring1 and YY1 binding protein (RYBP), mRNA	Za014/0.r1 Scares melanccyte ZNbHM Homo sepiens cDNA clone IMAGE:291258 5' stratist to SW-2PIPe RAT P10898 1-PHOSPHATIDYLINOSITOL-4, 5-BISPHOSPHATE PHOSPHODIESTERASE	DELTA1;	Homo sapiens neuronal cell adheston molecule (NRCAM) mRNA	H.sapiens NOS2 gene, excn 6	Hasplens TCF11 gene, exxn 3-6	Homo sapiens Integrin, beta 8 (ITGB8) mRNA	Homo saplens Immunoglobulin superfamily, member 3 (IGSF3), mRNA	Homo sapiens reelin (RELN) mRNA	Homo sapiens Pendred syndrome (PDS), mRNA	Homo sapiens Pendred syndrame (PDS), mRNA	602151232F1 NIH_MGC_81 Homo septens cDNA clone IMAGE:4282575 5	QV3-BN0046-150300-121-h11 BN0046 Homo septens cDNA	Homo sepiens Chedlak-Higashi syndrome 1 (CHS1), mRNA	Homo sepiens Chediak-Higashi syndrome 1 (CHS1), mRNA	Homo sepiens secretory pethway component Sec31B-1 mRNA, etternatively spliced, complete cds	Hamo septiens secretory pathway component Sec31B-1 mRNA, atternatively spliced, complete cds	qm84h09.x1 NCI_CGAP_Lu5 Homo sapiens cDNA clone IMAGE:1896449 3'	Homo sapiens Chediak-Higashi syndrome 1 (CHS1), mRNA	Homo sepiens similar to heat shock 70kD protein 9B (mortalin-2) (H. sepiens) (LOC63184), mRNA	Homo sapiens shrilar to heat shock 70kD protein 9B (mortalin-2) (H. sapiens) (LOC83184), mRNA	601434784F1 NIH_MGC_72 Hamo sapiens cDNA clone IMAGE:3916917 5	601434784F1 NIH_MGC_72 Homo saptens cDNA clone IMAGE:3918917 5	Homo septens Pendred syndrome (PDS), mRNA	Homo septens Pendred syndrome (PDS), mRNA	Hamo septens mRNA for cessein kinase I epsilion, complete cds	Homo sepiens mRNA for casein kinase I epsilon, complete cds	Homo sapiens gene for AF-6, complete cds	Homo sepiens gene for AF-6, complete cds	60127812771 NIH_MGC_20 Homo septens cDNA clone IMAGE:3618622 5
AUII FIUDOS	Top Hit Detabese Source	NT	NT		EST_HUMAN	Į.	TN.	M	NT	۲	TA.	¥	¥	EST_HUMAN	EST_HUMAN	Z	TN	NT	Į.	EST HUMAN	LN.	Į.	TA	EST_HUMAN	<b>EST_HUMAN</b>	NT	FA	N	M	뒫	¥	EST_HUMAN
	Top Hit Acessian No.	1.0E-127 AL163268.2	0912639 NT		1.0E-127 W03547.1	4826863 NT			4504778 NT	1142/1595 NT	4826977 NT	11421914 NT	11421914 NT	1.0E-127 BF671355.1	1.0E-127 AW998292.1	11427235 NT	11427235 NT	1.0E-127 AF274883.1	1.0E-127 AF274863.1		11427235 NT	11417339 NT	11417339NT	1.0E-127 BE895415.1	1.0E-127 BE895415.1	11421914	11421914 NT	1.0E-127 AB024597.1	1.0E-127 AB024597.1	1.0E-127 AB011399.1	1.0E-127 AB011399.1	1.0E-128 BE385617.1
	Most Similar (Top) Hit BLAST E Value	1.0E-127	1.0E-127		1.0E-127	1.0E-127	1.0E-127 X85764.1	1.0E-127 X84060.1	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-127	1.0E-128
	Expression Signal	2.42	1.32		1.48	2.07	4.61	1.95	5.46	0.91	1.05	1.32	1.34	0.58	9.0	1.12	1.12	4.63	4.63	0.78	1.86	6.12	5.12	2.78	2.78	211	211	1.39	1.39	24	1.47	3.35
-	ORF SEQ ID NO:		30614		32065		32178		32769	33168	33288	34400	34401				35638	36390	36391	36646		37983	37984				34401	26201		31776		26460
	Ewn SEQ ID NO:	17684	17721		18883	18916	18987	18358	19519	19869	19999	21003	21003	21013	21016	22205	22205	22925	22825	23157	23630	24435	24435	24828	24828	21003	21003	13275	_	26376		13533
	Probe SEC ID NO:	4683	4700		5791	2828	2009	9829	8454	8816	7264	8908	8988	8078	8079	8238	8238	866	88	10232	10708	11492	11492	11949	11949	12089	12089	12532	12532	12721	13062	460

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor Source	Homo sepiens chandration sulfate proteoglycen 2 (versican) (CSPG2) mRNA	Homo sapiens chondrottin sutfate proteoglycan 2 (versican) (CSPG2) mRNA	Human FAU1P pseudogene, trinucleotide repeat regions	Human FAU1P pseudogene, traucieotide repeat regions	Homo seplens ribosomal protein S2 (RPS2) mRNA	Homo sepiens chromatin-specific transcription elongation factor, 140 kDa subunit (FACTP140), mRNA	Homo septens mRNA for KIAA1247 protein, pertial cds	Homo saplens prospero-related homeobox 1 (PROX1), mRNA	H.saplens gene for inter-eiphe-trypsin inhibitor heavy chain H1, exon 12	Homo septens phosphodiesterese 1C, calmodulin-dependent (70kD) (PDE1C), mRNA	EST_HUMAN 7q88br10x1 NG_CGAP_Lu24 Homo sapiens cDNA clone IMAGE: 3'			EST_HUMAN   602042322F1 NCL_CGAP_Bm67 Homo saplens cDNA clone IMAGE:4179988 57	EST_HUMAN   602042322F1 NC _CGAP_Bm67 Homo sapiens cDNA clone IMAGE:4179988 5'	Homo sepiers putetive ABC trensporter (WHITE2), mRNA	Homo saplens mRNA for KIAA1636 protein, partial cds	Homo septems mRNA for KIAA1636 protein, partial cds	Homo sepiens mRNA for KIAA0464 protein, perital ods	Homo sapiens mRNA for KIAA0454 protein, partial cds	Ins04s11.11 NCI_CGAP_Ew1 Homo septens cDNA clone IMAGE:1182820 stritter to TR:G961338 G951338 EST_HUMAN   CHROMOSOME SEGREGATION GENE HOMOLOG CAS.;	Homo sepiers glutamate receptor, tenetropie, N-methyl D-espartate 2D (GRIN2D), mRNA	om88h08.s1 NC  CGAP_GC4 Homo sapiens cDNA done IMAGE:1552383 3' similar to gbx564941 CYCLIN-	Т	EST HUMAN 601277826F1 NIH MGC 20 Hamp septens cDNA done IMAGE:3818750 5	EST HUMAN EST367380 MAGE resequences, MAGC Homo sepiens cDNA	Insulin-live growth factor binding protein-2 [human, placenta, Genomic, 1019 nt, segment 2 of 4]	Insulin-like growth factor binding protein-2 [numan, placenta, Genomic, 1019 nt, segment 2 of 4]	Novel human mRNA containing Zinc finger C2H2 type domains	Homo sepiens glubathione S-transferase theia 2 (GSTT2) and glubathione S-transferase theia 1 (GSTT1) genes, complete cds
Top Hit Acession	4758081 NT	4758081 NT	102523.1	J02523.1	4506718 NT	11437455 NT	1.0E-128 AB033073.1	11426673 NT		11420965 NT	3F224345.1	3E614105.1	3F529931.1	3F529831.1	3F529931.1	11545923 NT	B046856.1	B046856.1	B007923.1	LB007823.1	A638198.1	11425254 NT	A826959.1	J252060.1	E384475.1	W955290.1	37722.1	37722.1	1.096880.1	.F240786.1
Most Similar (Top) Hit BLAST E Vælue	1.0E-128	1.0E-128	1.0E-128 U02523.1	1.0E-128 U02523.1	1.0E-128	1.0E-128	1.0E-128	1.0E-128	1.0E-128 X69539.1	1.0E-128	1.0E-128 BF224345.	1.0E-128 BE614105.	1.0E-128 BF529931	1.0E-128 BF529831.	1.0E-128 BF529931.	1.0E-128	1.0E-128 AB046856	1.0E-128 AB046856	1.0E-128 AB007923.	1.0E-128 AB007823	1.0E-128 AA639198.	1.0E-128	1 0F-128 AA929959	1.0E-128 AJ252060.	1.0E-128 BE384475	1.0E-128 AW955290	1.0E-129 S37722.1	1.0E-129 S37722.1	1.0E-129 AL096880.	1.0E-129 AF240786.
Expression Signal	2.18	2.18	9.34	9.34	31.4	1.49	1.23	5.05	0.64	<u>4</u>	6.42	0.69	0.53	0.53	0.63	0.02	0.49	0.49	0.5	0.5	£.	3.42	78	1.48	269	8.88	0.89	-	3.06	2.5
ORF SEQ ID NO:	27150	27151	28117	28118	28257		28377	30808	31879	32883	33353	33986	34313	. 34314	34315	34417	34478	34477	35281	35282	36917	37652	97550	37635	37887		28423	28423	27745	27750
SEQ ID	14200	14200	15101	15101	15233	15456	16454	17714	18720	19618	20050	20624	20822	20922	20022	21017	21076	21076	21859	21859	23418	24028	24095	24109	24158	25174	13486	13486	14761	14768
Probe SEQ ID NO:	1158	1158	2084	88	2219	2451	3405	4693	2824	6558	7116	7661	7882	7983	7988	8080	8139	8139	8833	8833	10498	11065	14073	11149	11202	12400	122	413	1731	1736

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Table 4
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INJURIE EXOLUTIONES EXPRESSED III DOING IMBILOW	Top Hit Database Source	Homo sapiens RET finger protein-like 1 antisense transcript, partial	EST_HUMAN   601343016F1 NIH_MGC_53 Homo saptens cDNA clone IMAGE:3685466 5	T_HUMAN   601343016F1 NIH_IMGC_53 Hamo sepiens aDNA dane IMAGE:3885466 5	Homo sepiems retinal dehydrogenase hamalog isoform-1 (RDH) mRNA, complete cds	EST_HUMAN   801343016F1 NIH_MGC_53 Hamo sepiens cDNA dane IMAGE:3885486 5	EST_HUMAN   601343016F1 NIH_MGC_53 Homo septems aDNA clame IMAGE:3885488 5	HUMAN	Human T-cell receptor (V alpha 22.1, J alpha RPMH235-vertant, C alpha 1) mRNA	EST_HUMAN   CMA-CN0045-180200-611-f02 CN0045 Homo sapiens cDNA		EST_HUMAN RCO-CT0318-201199-031-411 CT0318 Homo sapiens cDNA		EST_HUMAN   CM0-CN0045-170200-225-g03 CN0045 Homo septiens cDNA	EST_HUMAN   CM0-CN0046-170200-225-g03 CN0046 Homo septems cDNA	Homo sepiens estrogen-responsive B box protein (EBBP), mRNA	Homo sepiene solute carrier family 6 (neurotransmitter transporter, L-proline), member 7 (SLC8A7), mRNA	Homo sepiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds	Homo sepiens ciliary dynetn heavy chain 9 (DNAH9) mRNA, complete cds	Homo sepiens aurora-related kinase 1 (ARK1) mRNA, complete cds	HUMAN		EST_HUMAN   xd36e06x1 NCI_CGAP_Ov23 Homo capiens cDNA clone IMAGE:259687439	Homo sapiens gutamate receptor, metabotropic 5 (GRM5) mRNA	Homo sepiens RET finger protein-tiles 1 antisense transcript, partial	258004.1 Sogres NihHMPu_S1 Homo sepiens oDNA done IMAGE:687690 5' similar to TR:G222811   EST HUMAN   G222811 ALPHA 1 CHAIN OF TYPE XII COLLAGEN ::	T	HUMAN				Homo captens DCRR1 mRNA, partial cds	Homo sepiens DCRR1 mRNA, partial cds
Olligie LAU	Top Hit Acession No.	J010230.1	1	E584219.1 EST	F240698.1 NT	1	1	W503580.1 EST	197710.1 NT	1.0E-130 AW843983.1 EST	.1	1.1		1.0E-130 AW843875.1 EST	1.0E-130 AW843875.1 EST	11425446 NT	11416777 NT	F257737.1 NT	F257737.1 NT	F008551.1 NT	W966242.1 EST		1.0E-130 AW103454.1   EST	4504142 NT	JO10230.1 NT			A228128.1 EST	4885136 NT	8923349 NT	8923349 NT		83327.1 NT
ŀ	Most Similar (Top) Hit BLAST E Value	1.0E-130 AJ010230.	1.0E-130 BE564219.	1.0E-130 BE564219.	1.0E-130 AF240698.	1.0E-130 BE564219	1.0E-130 BE564219.	1.0E-130 AW503580	1.0E-130 M97710.1	1.0E-130 A	1.0E-130 AW363299	1.0E-130 AW363296	1.0E-130 X57825.1	1.0E-130 A	1.0E-130.h	1.0E-130	1.0E-130	1.0E-130 AF257737.	1.0E-130 AF257737	1.0E-130 AF008551.	1.0E-130 AW956242	1.0E-130 AB037756.	1.0E-130 A	1.0E-130	1.0E-130 AJO10230.1	0.0F+00 AA228128		0.0E+00 AA228128.	0.0E+00	0.0E+00	0.0E+00	0.0E+00 D83327.1	0.0E+00 D83327.1
ľ	Expression Signal	8.37	1.3	1.3	1.27	4.55	4.55	1.41	1	8.22	1.63	1.63	0.63	0.89	0.89	0.88	2.06	0.55	0.55	6.0	2,91	1.74	1.29	1.71	1.44	28.		264	2.59	99.0	0.68	1.8	1.8
	ORF SEQ ID NO:		28864	38865	29558	28864	28865	29912	30027	30485	31021	31022	33239	33433	33434	33452	33788	33894	33895		35563	35981		38489		26023		28024	28028	26034	28035	26042	26043
	SEQ ID NO:	15773	15949	15949	16636	15949	15940	16997	17133	17592	18142	18142	19943	848	25120	20136	20432	20536	20536	21886	22137	22531	23218	24892	15773	13126		13125	13128	13136	13136	13143	13143
	Pabe SEQ ID	2781	2830	2880	3591	3779	8779	3957	4099	4569	6133	5133	889	<b>88</b>	<b>88</b>	7010	7468	7574	7574	8030	917	6998	10288	12015	13046			4	8	16	16	ន	83

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	Top Hit Descriptor	Homo saplens beta-tubulin mRNA, complete cds	Human heparin cafactor II (HCF2) gane, excris 1 firrough 5	Homo sapiens RNA-binding protein S1, serine-rich domain (RNPS1), mRNA	Homo septens mRNA for multidrug resistance protein 3 (ABCC3)	Homo sapians mRNA for multidrug resistance protein 3 (ABCC3)	HUM516H08B Human placenta polyA+ (TFujiwara) Homo sapiens cDNA clone GEN-516H08 G	HUM516H08B Human placenta polyA+ (TFujiwara) Homo sapiens cDNA clone GEN-516H08 6	Human ribosomal protein L7 (RPL7) mRNA, complete cds	cr48e07.x1 Jis bans marrow stroms Hamo sepiens cDNA clane HBMSC_cr48e07.31	cr48e07.x1 Jia bane marrow strama Hamo sapiens aDNA clane HBMSC_cr48e07 31	Human von Willebrand factor pseudogene corresponding to exons 23 through 34	Homo sapiens proteth tyrosine phosphatase, non-receptor type substrate 1 (PTPNS1) mRNA	Homo sapiens protein tyrosine phosphatese, non-receptor type substrate 1 (PTPNS1) mRNA	Homo sepiens protein tyrosine phosphatase, non-receptor type substrate 1 (PTPNS1) mRNA	Homo sapiens protein tyrosine phosphatase, non-receptor type substrate 1 (PTPNS1) mRNA	Homo sapiens amilande binding protein 1 (amine addase (copper-containing)) (ABP1), nuclear gene	encoding mitochondrial protein, mRNA	Hamo septens heterogeneous ruckear ribonucleoprotein A1 (HNRPA1) mRNA	Homo saptens actin, beta (ACTB) mRNA	Human polyhomeotic 1 homolog (HPH1) mRNA, partial cds	HA1347 Human fetal Iver cDNA library Homo saplens cDNA	Homo sapiens mRNA for KIAA1363 protein, partial cds	1638b05.x1 NCJ_COAP_UM Homo septems d'ONA done IMAGE:2230833 3° similer to TR.O98651 Q99651  MITOCHONDRIAL TRANSCRIPTION TERMINATION FACTOR PRECURSOR.;	1638605.X1 NO. CGAP_UM Homo sapiens cDNA done IMAGE:2230833 3' similer to TR:098561 Q89661 MITOCHONDRIAL TRANSCRIPTION TERMINATION FACTOR PRECURSOR;	1yo1h09.r1 Soares melanocyte 2NbHM Homo sepiens cDNA clone IMAGE:270017 6	yyo1h09.r1 Soares melanocyte 2NbHM Homo saplans cDNA clone IMAGE:270017 5	Homo septens neuroptiin 2 (NRP2) mRNA	Homo sepiens polymenase (RNA) II (DNA directed) polypeptide A (220kD) (POLR2A) mRNA	Homo sapiens polymerase (RNA) II (DNA directed) polypeptide A (220kD) (POLR2A) mRNA	Hamo sapiens igG Fc binding protein (FC(GAMMA)BP) mRNA	ye83g04.r2 Strategene fetal spleen (#837205) Homo sepiens cDNA clone IMAGE:68310 5'	ye83g04.r2 Strategene fetal spleen (#837205) Homo seplens cDNA clone IMAGE:68310 5
	Top Hit Database Source	NT	NT	12	NT	NT	EST_HUMAN	EST_HUMAN	MT	EST_HUMAN	EST_HUMAN	NT	NT	N.	N-	NT		Z	F	M	IN	EST_HUMAN	F	EST HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	Z	Ę	Z	MT	EST HUMAN	EST HUMAN
	Top Hit Acession No.	0.0E+00 AF141349.1		TN 2287889						0.0E+00 AW069534.1	0.0E+00 AW069634.1		4758977 NT	4768977 NT	4758977 NT	4768977 NT		4501850 NT	450444 NT	5016088	J89277.1	0.0E+00 AI114743.1	0.0E+00 AB037784.1	0.0E+00 Al623701.1	0.0E+00 Al823701.1	N36040.1	N38040.1	4505458 NT	4505838 NT	4505938 NT	4503680 NT	T56945.1	T56945.1
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00	0.0E+00[M58600.1	0.0E+00	0.0E+00 Y17151.2	0.0E+00 Y17151.2	0.0E+00 D78804.1	0.0E+00 D78804.1	0.0E+00 L16558.1	0.05+00	0.0E+00	0.0E+00 M60878.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00 U89277.1	l	,	}	0.0E+00	0.0E+00 N36040.1	0.0E+00 N38040.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 T56945.1	0.0E+00 T56945.1
	Expression Signal	61.1	28.0	4.86	213	2.13	127	127	25.34	11.49	11.49	1.16	4.06	4.06	297	2.97		67.0	18.85	80.78	16.85	2.55	1.19	0.83	0.78	200	0.84	0.65	5.40	5.49	0.66	0.85	0.85
	ORF SEQ ID NO:	28048	28060	28085			26095	26096	28087	26100	28101	_	28115	28118	26115	28116		20122		26131			28142						L			28174	28175
	Exan SEQ ID NO:	13140	13158	13162	13178	13178	13180	13180	13181	13183	13183	13186	13193	13183	13183	13183		13198	13189	13207	13210	13217	13218	13227	13727	15809	15809	13230	13236	13236	13474	13244	13244
	Probe SEQ ID NO:	8	88	2	88	88	8	रू	8	ळ	ই	88	92	92	R	R		83	88	8	क्र	ᅙ	5	116	447	138	138	12	131	13	<del>2</del>	141	141

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i able 4 ngle Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	Homo sapiens heterogeneous nuclear ribonucleoprotein A1 (HNRPA1) mRNA	801480375F1 NIH_MGC_68 Homo sepiens cDNA clone IMAGE:3863803 5	Homo sapiens heterogeneous nuclear ribonucleoprotein A1 (HNRPA1) mRNA	Homo capiens serine painting/ transferese, subunit II gene, complete ods; and unknown genes	601174270F1 NIH_MGC_17 Hamo sepiens cDNA clone IMAGE:3528684 5	601174270F1 NIH_MGC_17 Homo septens cDNA clone IMAGE:3529864 67	2002b05-11 Sogree fetal heart, NbHH19W Homo sepiens cDNA clone IMAGE:346201 6' clmiler to gb.X16282 cds1 ZNC FINGER PROTEIN CLONE 647 (HUMAN);	QV3-HT0457-140200-088-d04 HT0457 Homo saplens cDNA	QV3-HT0457-140200-088-d04 HT0457 Homo sapiens dDNA	Homo sapiens zinc finger protein mRNA, complete cds	Homo sapiens chromosome 21 segment HS21C002	Homo sapiens chromosome 21 segment HS21C002	bb24e12.y1 NIH_MGC_14 Homo septens cDNA clone IMAGE:2863854 5' similar to WP:Y57A10A.Z GE22631;	bb24e12.y1 NIH_MGC_14 Homo saplens cDNA clone IMAGE:2063854 5 similar to WP:Y67A10A.Z CF22831 :	Homo sapiens mRNA for KIAA0784 protein, pertial cds	Homo sepiens mRNA for KJAA0784 protein, pertial cds	Homo sapiens mRNA for KIAA0784 protein, partial ods	Homo sapiens mRNA for KJAA0784 protein, pertial cds	Human gamma-cytoplasmic actin (ACTGP9) pseudogene	Homo septens CTCL tumor antigen se14-3 mRNA, complete cds	Homo sapiens CTCL tumor antigen serf 43 mRNA, complete cds	Homo saplens chromosome X MSL3-2 protein mRNA, complete cds	Homo sapiens chromosome X MSL3-2 protein mRNA, complete cds	tq04f08.xf NCI_CGAP_UI3 Homo sepiens cDNA clone INAGE:2207847 3' similier to gb.J03191 PROFILIN I (HJJMAN);	tap4108.x1 NCI_CGAP_Ut3 Homo sepiens aDNA alone IMAGE:2207847 3' similar to ab103191 PROFELIN I	(HUMAN);	Homo saplens DNA mismatch repair protein (MLH3) gene, complete cds	Homo sapiens ritosomal protein L31 (RPL31) mRNA	Homo sapiens TADA1 protein mRNA, complete cds	Homo sapiens mRNA for KIAA0721 protein, partial cds
i Exon Probes E	Top HR Database Source	Z Z	THUMAN			EST HUMAN	EST_HUMAN	EST HUMAN	Т	EST HUMAN	Г	Į,	E	EST HUMAN		Τ	7					NT		Į.	EST HUMAN		HOMAN				LN.
Single E	Top Hit Acession No.	450444 NT		44			0.0E+00 BE295973.1				0.0E+00 AF244088.1		0.0E+00 AL163202.2					0.0E+00 AB018327.1				0.0E+00 AF273045.1	0.0E+00 AF167174.1	0.0E+00 AF167174.1			1	0.0E+00 AF195658.1	08632		0.0E+00 AB018284.1
	Most Similar (Top) Hit BLAST E Veitue	0.0E+00	0.0E+00 BF036881.1	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 W73973.1	0.0E+00 BE162832	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 BE018970.	001100	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AB018327.1	0.0E+00 D50659.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AI587308.1		0.0E+00/AI587308.1	0.0E+00 A	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	542	4.4	39.14	0.92	0.74	1.17	237	0.85	0.85	1.59	14.18	14.18	4.87	287	4.36	4.35	3.08	3.06	298.4	4.35	4.35	3.93	3.83	51.32		51.32	1.57	43.74	6.46	1.5
	ORF SEQ D NO:		26188		28191	26192	28192	26183	28194	28/85	28196	26189	26200	26207	26208	26211	28212	26213	28214	26225	28229	26230	28232	26233	28239		26240	26242			26248
	Exam SEQ ID NO:	13257	13261	13263	13266	13268	13268	13289	13270	13270	13271	13274	13274	13282	(308)	13287	13287	13288	13288	13297	13301	13301	13303	13303	15835		15835	13313	13316	13317	13323
	Probe SEQ ID NO:	\$	158	<u>6</u>	<del>1</del> 8	<b>5</b>	<del>8</del>	. 167	28	<u>\$</u>	<del>2</del>	177	122	\$	ŝ	187	187	188	188	198	200	200	202	g	73		ž	213	278	22	R

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Probe SEQ ID NO: NO: NO: NO: NO: NO: NO: NO: NO: NO:

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Top Hit Descriptor	Hamp saplens chromosome 21 segment HS2IC001	Homo sapiens interferon gamma receptor 1 (IFNGR1) mRNA	EST27054 Carebellum II Homo sapiens cDNA 5' end	601111520F1 NIH_MGC_16 Hamo sepiens cDNA clane IMAGE:3352348 67	Homo sepiens 5-hydroxydryptemine (serotonin) receptor 18 (HTR18) mRNA	Homo sapiens 5-hydroxytyptemine (serotonin) receptor 1B (HTR1B) mRNA	Homo sepiens kenatin 18 (KRT18) mRNA	Homo sapiens keratin 18 (KRT18) mRNA	Homo expiens chromosome 21 segment HS21C046	Homo sepiens chromosome 21 segment HS210046	Homo sepiens chromosome 21 segment HS21C046	Homo sapiens mRNA for KUAA1209 protein, partial cds	AU132898 NTZRP4 Homo sepiens cDNA clone NT2RP4000837 6	601274951F1 NIH_MGC_20 Hama septens cDNA clane IMAGE:3015759 5	PMS-DT0065-130400-002-co6 DT0065 Homo sepiens cDNA	Novel human gene mapping to chomosome 1	Homo saplens PC\$26 protein (PC\$26), mRNA	11.24-T10159-070800-120-F07 FT0159 Homo sepiens cDNA	Homo suplems chromosome 21 segment HS210010	QV2-BT0635-160400-142-h05 BT0835 Homo sapiens cDNA	601764858F1 NIH_MGC_53 Hamo septens cDNA clans IMAGE:3896898 5	Homo sepiens mRNA for KIAA1476 protein, partial cds	Hamo sapiens transcription elongation factor B (SIII), polypoptide 1-tite (TCEB1L) mRNA	Homo sepiens guenine nucleotide binding protein (G protein), alpha 11 (Gq class) (GNA11) mRNA	Homo sepiens guanine nucleotide binding protein (G protein), alpha 11 (Gq class) (GNA11) mRNA	Homo sapiens entitin (LOCS4443), mRNA	Homo septiens ertillin (LOC5443), mRNA	Homo sapiens antitin (LOC54443), mRNA	Homo sepiens X-tinked anhidrotite ectodermel dysplasia protein gene (EDA), exon 2 and flanking repeat	regions	UI-H-BI1-ecb-h-04-0-UI.s1 NCI_CGAP_Sub3 Homo septens cDNA clone IMAGE:27139513'	Hamo septens RGH1 gane, retrovirus-like element	Homo sepiens ubjound-cytochrome c reductase, Rieske iron-suffur polypeptide 1 (UQCRFS1), nuclear gene	
Top Hit Database Source	F	.	EST_HUMAN	EST_HUMAN	M	N	F	Nī	NT	NT	M	Ł	EST_HUMAN	EST_HUMAN	EST HUMAN	Z,	N.	EST_HUMAN	LN.	EST_HUMAN	EST HUMAN	NT	TN	IN	NT	NT	١	E		۲	EST_HUMAN	NT		Ž
Top Hit Acession No.	0.0E+00 AL163201.2	4557879 NT	1	BE254447.1	4504532 NT	4504532 NT	4557887 NT	4557887 NT	2	2	0.0E+00 AL163246.2				7.		B923855 NT	0.0E+00 BF373403.1	2	0.0E+00 BE081527.1	0.0E+00 BF028005.1	0.0E+00 AB040909.1	TN 0608030 NT	4504038 NT	4504036 NT	BB23831 NT	8923831	8623831		0.0E+00 AF003528.1	0.0E+00 AW135324.1	D10083.1	3 5 5 5 5	01/4/4Z N
Most Similar (Top) Hit BLAST E Vatue	0.0E+00	0.0E+00	0.0E+00 AA324262	0.0E+00 B	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AL163246.2	0.0E+00 ≠	0.0E+00	0.0E+00	0.0E+00 AU132898	0.0E+00 BE385144.	0.0E+00/	0.0E+00 AL117233.	0.0E+00	0.0E+00	0.0E+00 AL163210.		0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00		Ì	0.0E+00				0.0E+00 D10083.1		0.0E+00
Expression	121	6.45	0.75	1.25	3.47	3.47	284	2.84	2.68	6.81	6.81	3.92	1.83	1.58	8.1	1.47	0.0	0.82	5.32	1.15	1.61	223	10.84	4.48	4.46	0.00	4	1.2		5.14	1.55	254		272
ORF SEQ ED NO:		26452			26466	29467	26475		26482										28511												28546			26571
SEQ ID	13517	13619	13524	13525	13641	13541	13546	13546	13557	13558	13558	13566	13568	L	1_	L	13580	13584	13591	15843	13603	13609	13612	13613	13613	<u> </u>	1_	L	1	13620	上			13656
Probe SEQ ID NO:	4	84	2	452	<u>\$</u>	88	474	474	\$	485	485	কু	88	504	505	808	809	613	520	227	532	538	25	542	542	544	545	545		999	858	888		288

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Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Human apolipoprotein A-I (ApoA-I) gene, econ 1	601822827F1 NIH_MGC_75 Homo sapiens cDNA clone IMAGE:4045447 51	Homo sepiens hypothetical protein FL/20701 (FL/20701), mRNA	Homo sepiens hypothetical protein FLJ20701 (FLJ20701), mPNA	Homo sapiens acetyl-Coenzyme A carboxylasse beta (ACACB), mRNA	Homo sapiens Smad- and Oif-Interacting zinc finger protein mRNA, partial cds	Homo sepiens Smad- and Off-Interacting zino finger protein mRNA, pertial cds	Homo sapiens NOD1 protein (NOD1) gene, expres 1, 2, and 3	Homo sapiens mRNA for KIAA1386 protein, partial cds	Homo sepiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density fipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sepiens low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens low density [ipoproteth-related protein 2 (LRP2), mRNA	ZISOCO7,r1 Sogres_testis_NHT Homo sapiens cDNA clone IMAGE:728732 5	Homo sapiens RGH2 gare, retrovirus-like element	Af61b04.r1 Soares_fetal_liver_spleen_1NFLS_S1 Home sapiens cDNA clone IMAGE:415567 5' similer to gb:A21167 ALPHA-2-MACROCLOBULIN PRECURSOR (HUMAN);	2151b04.r1 Soares, fetal_liver_spleen_1NFLS_S1 Homo saplens dDNA done IMAGE:415587 6' similar to ab-A21187 ALP+A-2-MACROGLOBULIN PRECURSOR (HUMAN);	Homo seplens novel SH2-containing protein 3 (NSP3) mRNA	Homo sapiens glutamate receptor, ionotropic, N-methyl D-aspertate 2B (GRIN2B) mRNA	Home sepiens CCAAT-box-binding transcription factor (CBP2) mRNA	Human neutral amino acid transporter (ASCT1) gene, exon 8	Homo sapiens sodium/calcium exchanger Isoform NaCa3 (NCX1) mRNA, complete cds	Homo sapiens sodiumicalcium exchanger isoform NaCaS (NCX1) mRNA, complete cds	Homo sapiens protein kinasa, X-finked (PRKX) mRNA	Homo septens protein kinase, X-linked (PRKX) mRNA	Human endogenous retrovirus pHE.1 (ERV9)	Homo seplens high-mobility group (nonhistone chromosomal) protein 1 (HMG1) mRNA	Homo sapiens mRNA for KIAA1089 protein, partial cds	Homo sapiens similar to not integral membrane glycoprotein POM121 (POM121L1), mRNA	np49401.s1 NC_CGAP_Br1.1 Homo saplens cDNA clone IMAGE:1129633 3' similar to gb:X57352 INTERFERON-INDUCIBLE PROTEIN 1-8U (HUMAN);
Top Hit Database Source	MT	<b>EST_HUMAN</b>	Ϋ́	攴	닐	NT	M	M	NT	Ę	F	5	אַל	F	EST HUMAN	Į.	EST HUMAN	EST HUMAN	Ę	Ę	¥	NT	M	N.	4	¥	NT	YT.	NT	ZI.	EST_HUMAN
Top Hitt Acession No.	J04068.1	0.0E+00 BF104898.1	8923631 NT	8923691 NT	4501854 NT	1	1	1	1	6806918 NT	6806918 NT	6806918	6806918 NT	5806918 NT	0.0E+00 AA399486.1		0.0E+00 W78811.1	0.0E+00 W78811.1	885526	E009009	5031624	0.0E+00 U05235.1	0.0E+00 AF108389.1	AF108389.1	4826947 NT	4826947 NT	0.0E+00 X57147.1	4504424 NT	AB029012.1	7857488 NT	0.0E+00 AA614537.1
Most Similar (Top) Hit BLASTE Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	15.19	1.83	77.0	0.77	0.69	1.6	1.6	1.86	1.63	0.85	1.65	1.56	1.34	1.34	1.35	4.61	1.86	881	5.61	2.78	2.3	3.11	66.0	68'0	4.84	4.94	3.3	9.58	4.6	17.63	15.52
ORFSEQ ID NO:		28585	28587	26588	26591	26597	26598	26605	26608	26609	26610	26811	26812	26613	28823	26827	26630	26831		26843	26846	26850	26653	26654	26659	26660		26673	26877	26832	26706
SEQ ID	13668	13871	13673	13873	13878	13681	13681	13688	13690	13692	13693	13693	13694	13894	13702	13708	13710	13710	13713	18720	18722	13726	13720	13729	13734	13734	15846	13746	13751	13760	13772
SEQ ID	<u>8</u>	8	8	808	641	616	616	823	88	627	823	83	83	83	88	8	ğ	2	ई	288	958	699	88	88	689	88	675	88	888	869	710

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Top Hit Descriptor	Human von Willebrand factor gene, exons 23 through 34	Human von Willebrand factor gene, exons 23 through 34	Homo saplens TNF receptor-essociated factor 1 (TRAF1) mRNA	Homo sapiens ALR-like protein mRNA, partial cds	Homo sepiens ALR-like protein mRNA, pertiel cds	Hamo sepiens hypothetical protein FL/21634 (FL/21634), mRNA	TCAAP1D0779 Pediatric acute myelogencus leukamia cell (FAB M1) Baykor-HGSC project=TCAA Homo	septens cDNA cione i CAAPO//9	Homo sapiens MHC class I entigen (HLA-G) mRNA, HLA-G1 ellete, complete cds	Homo sapians MHC class I antigen (HLA-G) mRNA, HLA-G1 allela, complete cds	Human, plasminogen activator Inhibitor-1 gane, exons 2 to 9	Human, plasminogen activator Inhibitor-1 gene, exons 2 to 9	Homo sepiens mRNA for KIAA1339 protein, pertial cds	Homo explans zinc finger protein 212 (ZNF212), mRNA	Homo sapiens mRNA for repressor protein, partial cds	601445847F1 NIH_MGC_65 Homo septems cDNA done IMAGE:3849803 5	1/69g08.r1 Scares breast ZNbHBst Homo saplens cDNA clone IMAGE:154046 5'	Homo sapiens splicing factor 3a, subunit 1, 120kD (SF3A1), mRNA	Homo septems gene for AF-8, complete cds	Homo septens KIAA0170 gane product (KIAA0170), mRNA	Human mRNA for KIAA0184 gene, partial ods	Human mRNA for KIAA0184 gene, pertial cds	H. sapiens mRNA for interferon alpha/beta receptor (long form)	Homo septens mRNA for KIAA0910 protein, pertial cds	Homo sapiens mRNA for KIAA0910 protein, partial cds	Homo septens pericentrin (PCNT) mRNA	Homo explores T-cell fymphome investon and metastastis 1 (TIAMI) mRNA	Homo sepiens homonally upregulated neu fumor-essociated kinase (HUNK), mRNA	Homo sepiens homonally upregulated neu tumor-essociated kinase (HUNK), mRNA	Homo sepiens potessium voltage-gated channel, tsk-releted family, member 1 (KCNE1) mRNA	Homo saptens scrine-threonine protein kinase (MNBH) mRNA, complete cds	Homo sepiens serine-threonine protein kiness (MNBH) mRNA, complete cds	Homo sepiens serine-timeanine protein kinase (MNBH) mRNA, complete ads	Homo sapiens GA-binding protein transcription factor, alpha subunit (60,0) (GADFA), mithA
Top Hit Deferbese · Source	i.	Į.	N	±	±			EST HUMAN		i I	NT.	Į.		F		EST_HUMAN (	EST_HUMAN		NT				אַז	Į.										
Top Hit Acessian No.	M80675.1	0.0E+00 M60675.1	5032192	0.0E+00 AF284760.1	0.0E+00 AF284750.1	11545800 NT		0.0E+00 BE241577.1	0.0E+00 AF226990.2	0.0E+00 AF226990.2	J03764.1	J03764.1	0.0E+00 AB037760.1	12749	0.0E+00 D30612.1	0.0E+00 BE869735.1	0.0E+00 R48915.1	5032086 NT	0.0E+00 AB011399.1	7881985 NT	0.0E+00 D80008.1	0.0E+00 D80006.1	0.0E+00 X89772.1	0.0E+00 AB020717.1	0.0E+00 AB020717.1	5174478 NT	4507500	7657213 NT	7857213	4557686 NT	0.0E+00 AF108830.1	0.0E+60 AF108830.1	0.0E+00 AF108830.1	4503854 NT
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	00E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00 J03764.1	0.0E+00 J03764.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	4,91	<b>P.</b>	221	4.69	4.69	11.38		2.31	2.09	2.09	0.88	0.88	2.01	0.86	3.03	1.78	3.68	2.14	1.88	277	2.38	2.38	2.72	3.38	3.38	10.76	9.83	1.58	2.57	1.82	3.12	3.12	1.34	2.16
ORF SEQ ID NO:	28710	26711		26726	26727	26730		26738	26761	26762	26764	26765	26768	26767	26769	26770					26799	26800	26804	28808				26836	26837	L		26846		Ц
SEQ 15	13778	13776	13786	١.		13783		13789	13817	13817	13819	13819	13822	13823	15850	L	1_	1_	13838	13842	13852	13852	13857	13861	1_	1_	Ĺ	L	_	L	L	<u>L</u>		13897
Prabe SEQ ID NO:	714	714	727	82	82	732		82	757	191	759	769	782	783	785	788	2	111	130	282	788	783	88	802	802	887	88	22	8	828	8	8	885	840

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ngie Exon Probes Expressed in Bone Martow	Top Hit Descriptor	Homo sapiens T-cell lymphoma invesion and metastasis 1 (TIAM1) mRNA	Homo septems T-cell lymphoma invesion and metastasis 1 (TIAM1) mRNA	Homo sapiens sodium/myo-inosital cotransporter (SLCSAS) gene, complete cds	Homo sepiens mRNA for KIAA1019 protein, partial cds	Homo sepiens mRNA for KIAA1019 protein, pertial ods	Homo septens SON DNA binding protein (SON) mRNA	Homo sapiens mRNA for KIAA1019 protein, partial cots	Hamo sapiena ribosomal probain S5 (RPS5) mRNA	Homo sepiens mRNA for KIAA0910 protein, partial ods	Homo sepiens mRNA for KIAA0910 protein, partial cds	nj88d07.s1 NCI_CGAP_Pr10 Hamo septens oDNA clane IMAGE:397453	nj88d07.s1 NCI_CGAP_Pr10 Hamo sepiens cDNA clane IMAGE:997453	602085579F1 NIH_MGC_83 Homo sapiens cDNA clone IMAGE:4249915 5	Homo espiens harmonelly upregulated neu furnor-associated kinase (HUNK), mRNA	Hamo sepiens harmonelly upregulated neu fumar-essociated kinase (HUNK), mRNA	Homo sepiens harmonally upregulated neu tumor-associated kinase (HUNK), mRNA	Homo sapiens hormonally upregulated neu furnor-associated kinase (HUNK), mRNA	Homo sapiens chromosome 21 segment HS21C003	QV0-8T0703-280400-211-g11 BT0703 Homo septems cDNA	QV0-8T0703-280400-211-g11 BT0703 Homo saptems cDNA	Homo sapiens chromosome 21 segment HS21C003	Homo sepiens laminin receptor 1 (67kD, ribosomal protein SA) (LAMR1), mRNA	Homo sapiens laminin receptor 1 (67/IO), ribosomal protein SA) (LAMR1), mRNA	Hamo sapiens alpha-1-entichymotrypsin precursor, mRNA, pertial ods	Homo sepiens kellistatin (PI4) gene, exans 1-4, complete cds	Homo sapiens of cardiac alpha-myosin heavy chain gene	Homo sepiens of cardiac alpha-myosin heavy chain gene	Homo sapiens of cardiac alpha-myosin heavy chain gene	Homo sapiens of cardiac alpha-myosin heavy chein gene	Homo sepiens mRNA for KIAA0394 protein, pertial ods	Homo sapiens mRNA for KIAA0894 protein, partial cds	Human ras inhibitor mRNA, 3° end	Human ras inhibitor mRNA, 3' end	Human ras inhibitor mRNA, 3' end
xon Probes	Top Hit Detabase Source	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	EST HUMAN	EST_HUMAN	EST_HUMAN	Nī	P.I	LN	LN	NT	EST_HUMAN	EST HUMAN	NT	NT	NŢ	NT	NT	NT	IN	L	LN	NT	NT	NT	NT	NT.
Single	Top Hit Acession No.	4507500 NT	4507500 NT	0.0E+00 AF027153.1	0.DE+00 AB028942.1	0.0E+00 AB028942.1	4507152 NT	0.0E+00 AB028942.1	4506728 NT	B020717.1	0.0E+00 AB020717.1	0.0E+00 AA533272.1	0.0E+00 AA533272.1	0.0E+00 BF677694.1	7667243 NT	7657213	7657213	7657213	0.0E+00 AL163203.2	0.0E+00 BE089592.1	0.0E+00 BE089592.1	0.0E+00 AL163203.2	4504858 NT	4504858 NT	0.0E+00 AF089747.1	28101.1	<b>20658.1</b>	20656.1	20656.1	20656.1	0.0E+00 AB023211.1	0.0E+00 AB023211.1	A37190.1	A37190.1	A37190.1
	Most Similar (Top) Hit BLAST E Valtue	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AB020717.	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00/	0.0E+00 L28101.1	0.0E+00 Z20658.1	0.0E+00 Z20656.1	0.0E+00 Z20656.1	0.0E+00 Z20656.1	0.05+00	0.0E+00	0.0E+00 M37190.1	0.0E+00 M37190.1	0.0E+00 M37190.1
	Expression Signal	1.23	1.23	1.78	4.48	4.48	10.69	4.54	14.11	1.18	1.18	1.8	1.8	10.08	1.57	1.57	1.95	1.95	0.86	1.72	1.72	1.69	63.74	24.73	0.71	2.39	0.84	9.64	0.63	0.63	2.68	2.68	0.68	8.74	0.72
	ORF SEQ ID NO:	26857	26858		26869	26870	26871	20872	20873	26878	26877	26878	26879		26880	26881	26882	26883	26906	26911	26912	26921			26927	26928	26930	26931	26932	26933	26950	26951	26957	26958	26929
	Exem SEQ ID NO:	13900	13900	13907	13911	13911	13912	13913	13914	13918	. 13918	13919	13919	13920	13924	13924	13825	13825	13947	13954	13954	13864	13973	13973	13975	13978	13978	13978	13979	13979	13889	13999	14005	14006	14007
	Probe SEQ ID NO:	48	\$	<b>8</b>	188 188	88	98	857	8	288	88	88	88	88	88	888	88	88	283	88	88	606	98	8	822	88	83	83	88	828	948	978	883	88	25.

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	Top Hit Descriptor	Homo septens thyrotrophic embryonic factor (TEF), mRNA	Homo sepiens thyrotrophic embryonic factor (TEF), mRNA	os98e03.s1 NCI_CGAP_GC3 Homo sapiens cDNA done IMACE:16134043'	ps98e03.s1 NCL_CGAP_GC3 Hamo septens aDNA clone IMAGE:16134043'	Homo sepiens KIAA0929 protein Msv2 Interacting nuclear terget (MINT) homolog (KIAA0929), mRNA	Homo sapiens mRNA for PSP24, complete cds	PM2-GN0014-050900-001-f02 GN0014 Hamo septens cDNA	PM2-GN0014-050800-001-f02 GN0014 Hamo septens cDNA	PM2-GN0014-050800-001-f02 GN0014 Hamo septiens cDNA	Homo sapiens partial o-fgr gene, excns 2 and 3	Homo sapiens partial o-fgr gene, exans 2 and 3	Hamo sapiens chromodomain protein, Y chromosome-like (CDYL) mRNA	Human beta-tubulin (TUB4q) gene, complete cds	Human beta-tubulin (TUB4q) gene, complete cds	Human beta-tubulin (TUB4q) gene, complete cds	Homo sepiens 8q22.1 region and MTG8 (CBFA2T1) gene, partial cds	Homo sepiens 8q22.1 region and MTG8 (CBFA2T1) gene, partial cds	Homo sepiens 14q32 Jagged2 gene, complete cds; and unknown gene	Homo sapiens 14q32 Jegged2 gene, complete cds; and unknown gene	Homo sepiens 14q32 Jagged2 gene, complete cds; and unknown gene	Homo sapiens 14432 Jegged2 gene, complete cds; and unitrown gene	Hamo sapiens DKFZP686M0122 protein (DKFZP686M0122), mRNA	Homo sepiens inner membrane protein, mitochondrial (mitofilin) (IMMT), mRNA	aa88g07.s1 Strategene fetal retina 637202 Homo septens cDNA clone IMAGE:838236 3' similer to SW-PRS8_HUMAN P47210 26S PROTEASE REGULATORY SUBUNIT 8;	EST51:24 WATM1 Homo sepiens CDNA done 51:24 similar to DNA-DIRECTED RNA POLYMERASE II	(alignment Ser and Pro with BLASTx or p)	EST5124 WATM1 Home sapiens CONA done 5124 similar to DNA-DIRECTED RNA POLYMERASE II	(alignment set and Pro with BLAS IX of p)	Homo sepiens TRAF family member-associated NFKB activator (TANK) mRNA	Homo sepiens TRAF family member-essociated NFKB activator (TANK) mRNA	Homo sapiens hypothetical protein FLJ11198 (FLJ11198), mRNA	Homo sapiens heat shock 70kD protein 9B (mortalin-2) (HSPA9B) mRNA
	Top Hit Defeberse Source	TN	LN L	EST_HUMAN	EST_HUMAN	Ä	N	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	Į.	TN	NT	NT	NT	FN	NT	NT	NT	N	NT	IN	EST HUMAN		EST_HUMAN		EST HUMAN	¥	Į,	LN.	토
	Top Hit Acession No.	4507430 NT	4507430 NT	0.0E+00 Al001948.1	0.0E+00 Al001948.1	7857286 NT	0.0E+00 AB030568.1	0.0E+00 BF366974.1	0.0E+00 BF366974.1	0.0E+00 BF366074.1	X52207.1		TN 6987579	U83668.1	U83668.1	U83668.1	0.0E+00 AF198490.1	0.0E+00 AF198490.1	0.0E+00 AF111170.3	0.0E+00 AF111170.3	0.0E+00 AF111170.3	0.0E+00 AF111170.3	7881885 NT	5803114	0.0E+00 AA458880.1		0.0E+00 N431821	,	0.0E+00 N43182.1	4759249 NT	4759249 NT	8922933 NT	4758569 NT
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X52207.1	0.0E+00 X52207.1	0.0E+00	0.0E+00 U83668.1	0.0E+00 U83668.1	0.0E+00 U83668.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	00+30:0	0.0E+00	0.0E+00	0.0E+00		0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
1	Expression Signal	0.83	0.83	224	2.24	10.17	2.04	1.86	1.86	1.86	3.55	3.55	2.25	1.17	13.38	10.52	2.58	5.29	1.28	1.82	1.71	1.65	242	121	82,1		0.76		0.76	1.2	12	3.19	2.4
-	ORF SEQ ID NO:	26960	26961		26969	1/692	26981	26987	26988	26989	28892	26993	27000	800/2	800/2	27009			27015	27015	27015	27016	27019				27027		27028	27029	27030		27046
	Etan SEQ ID NO:	14008	14008	15855	16866	14017	14027	14035	14035	14035	14037	14037	14046		14057	14057	14060		14064	14084	14064	14065	14068	14072	14073		14076	<u>l</u>		14077			14095
	Probe SEQ ID NO:	998	928	2883	883	988	976	88	8	88	986	986	988	1006	1007	1008	1011	1012	1016	1017	1018	1019	1022	1026	1027		1030		1030	1031	1031	1034	1049

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Table 4
Single Exon Probes Expressed in Bone Marrow

RIGHT CONTRACTOR IN DOING MAILOW	. Top Hit Descriptor	Homo sepiens cacherin 6, K-cacherin (fetal tidney) (CDH8) mRNA	Homo sepiens cedherin 6, K-cedherin (fetal Wohrey) (CDH8) mRNA	Homo sepiens hypothetical protein FLJ20695 (FLJ20695), mRNA	Homo sapiens hypothetical protein FL/20695 (FL/20695), mRNA	Homo sapiens mRNA for alpha-tubutin 8 (TUBA8 gene)	Homo sapiens hypothetical protein FL/20090 (FL/20080), mRNA	Homo sapiens alkylation repair, alkB homolog (ABH), mRNA	Homo seplens Death essociated protein 3 (DAP3) mRNA	WR0-BN0115-200309-003-h08 BN0115 Homo sapiens cDNA	Homo sapiens potasstum channel, subfamily K, member 9 (KCNK9), mRNA	Homo sepiens potassium channel, subfamily K, member 9 (KCNK9), mRNA	Homo sapiens protein kinase, X-linked (PRKX) mRNA	Homo sapiens protein kinasa, X-linked (PRKX) mRNA	Homo sepiens ribosomal protein S27a (RPS27A) mRNA	Homo sapiens hypothetical protein FLJ20309 (FLJ20309), mRNA	Homo sepiens DNA for Human P2XM, complete cds	Homo sapiens DNA for Human P2XM, complete cds	Homo sapiens similar to rat integral membrane ghooprotein POM121 (POM121L1), mRNA	Homo sepiens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA	Homo sapiens Npw38-binding protein NpwBP (LOC61729), mRNA	H.sapiens ART4 gene	H.sapiens ART4 gene	qb22df0.xf Sogres_pregnant_uterus_NbHPU Homo exptens cDNA ctone IMAGE:1697011 3'	Homo sepiens mRNA for KIAA0903 protein, partial cds	Homo sepiens chondrolfin sulfate proteoglycen 2 (versicen) (CSPG2) mRNA	Homo expiens chondrollin sulfate proteogrycan 2 (versican) (CSPG2) mRNA	Homo sapiens chromosome 12 open reading frame 3 (C12ORF3), mRNA	Homo septens glutamate decarboxylase 1 (brain, 67tD) (GAD1), transcript variant GAD25, mRNA	Homo sapiens glutamate decarboxylase 1 (brain, 67kD) (GAD1), transcript variant GAD25, mRNA	Homo sapiens mRNA for KIAA1414 protein, pertial cds	Homo sapiens keratin 18 (KRT18) mRNA	Homo sepiens Na+I/H+ exchanger Isoform 2 (NHE2) mRNA, complete ods	Harno sepiens mult. (E. coli) framalog 3 (MLH3), mRNA	Homo saplens ALR-like protein mRNA, partial cds
ZON FIODES	Top Hit Deitabase Source	NT	NI	N	IN	NT	IN	Nī	IN	18.1 EST_HUMAN	Į.	M	NT	NT	·	IN	NT	NT	Ę	Z	NI NI	N	IN	EST_HUMAN	F	٦	M	F	LN.	H	NT	NT	F	Z	토
alfalic	Top Hit Acession No.	4826672 NT	4826672 NT	8923624	8923624 NT	A.1245922.1	N 28023087	6174384 NT	4758117 NT	0.0E+00 BE005208.1	7706134	7706134 NT	4826947	4826947 NT	4506712	TN 0625298		0.0E+00 AB002059.1	7857468 NT	7657468	7706500	XB5826.1		0.0E+00 AI147850.1	0.0E+00 AB020710.1	4758081 NT	4758081 NT	9966844	7305076 NT	7305076		4557887	0.0E+00 AF073289.1	57336	0.0E+00 AF264750.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 XB5826.1	0.0E+00 X95828.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression	2.13	213	3.18	3.18	28.45	0.82	3.85	1.91	2.62	5.54	5.54	98'0	96.0	33.54	234	8.07	20.89	523	5.23	1.84	0.78	97.0	1.25	1.68	3.19	3.19	68.0	8.28	8.26	1.08	1.21	0.64	1.24	1.18
	ORF SEQ ID NO:	27060	Z7061	27065	27066	ZZ067		27071	27082	27092	27118	27117	27127	27128	27129	27131	27134	27135	27136	27137	27140	27141	27142	27143	27145	27154	27155	27158	27167	27168	27171	27180	27191		27225
	SEQ ID NO:	14111	14111	14115	14115	14118	14118	14120	14128	14142	14165	14185	14177	14177	14178	14180	14183	14185	14186	14186	14189	14180	14190	14191	14183	14202	14202	14203	14213	14213	14218	14223	14236	14252	14268
	Probe SEQ ID NO:	1088	1066	1070	1070	1071	1073	1076	1084	1098	1121	1121	1134	1134	1135	1137	1140	1142	1143	1143	1147	1148	1148	1149	1151	1160	1160	1161	1172	1172	1175	1182	1198	1214	1230

Page 488 of 546 Table 4 Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Homo sepiens ALR-like protein mRNA, partial cds	Homo sapiens ALR-like protein mRNA, pertial cds	Homo sapiens ALR-like protein mRNA, pertial cds	Homo sepiens chromosome 3 subtelomeric region	Homo septens chandrolfin sulfate proteoglycen 4 (metenome-essociated) (CSPG4), mRNA	Hamo sepiens prefoldin 4 (PFDN4) mRNA	Hamo sepiena NF2 gane	Homo sepiens ribosomel protein S2 (RPS2) mRNA	Homo sepiens Williams-Beuren syndrome deletion transcript 9 (WBSCR9) mRNA, complete cds	Homo sepiens mRNA for KIAA1507 protein, pertial cds	Homo sepiens mRNA for KIAA1507 protein, partial cds	Homo septens Wolfrem syndrome (WFS) mRNA	Homo sapiens Wolfram syndrome (WFS) mRNA	Hamo sepiens Wafrem syndrome (WFS) mRNA	Homo sepiens protein phosphatese 2A BR gamma subunit gene, exon 5	Hamo sapiens rhabdoid tumor deletion region protein 1 (RTDR1), mRNA	Homo septens rhabdoid tumor deletion region protein 1 (RTDR1), mRNA	Homo sapiens ring finger protein 9 (RNF9), mRNA	Homo sepiens zinc finger protein 173 (ZNF173) mRNA	Homo saplens ring finger protein 9 (RNF9), mRNA	Homo sapiens zinc finger protein 173 (ZNF173) mRNA	Hamo septens mRNA for KIAA0577 protein, complete cds	Homo sapiens KIAA0170 gene product (KIAA0170), mRNA	Homo sapiens KIAA0170 gene product (KIAA0170), mRNA	Homo sapiens period (Drosophila) homolog 3 (PER3), mRNA	Homo sapiens period (Drosophila) homolog 3 (PER3), mRNA	Human endogenous retrovirus HERV-K10	Homo sapiens mRNA for Ferrittal Cylindromatosis cyld gene	gg38b08x1 Socres_bests_NHT Hamo sepiens cDNA done IMAGE:1837427 3' similar to WP:T27A1.5   CE14213;	RAN, member RAS ancogene family-tamo sepiens RAN, member RAS ancogene family (RAN), mRNA	Homo septems proprotein convertese subdifisin/leadn type 2 (PCSK2) mRNA	Homo sepiens proprotein convertese subtilisin/keich type 2 (PCSK2) mRNA
Top Hit Database Source	NT	NT	TN	M	אַן	LV.	NT	¥	N	F	NT	NT	NT	M	NT	NT.	NT	NT	NT	F	NT	IN	IN	TN	N.	M	NT	¥	EST_HUMAN	¥	Z	¥
Top Hit Acession No.	0.0E+00 AF284750.1	0.0E+00 AF284750.1	0.0E+00 AF284750.1	0.0E+00 AF109718.1	4503098 NT	4505740 NT		4506718 NT	0.0E+00 AF084479.1	.1	0.0E+00 AB040940.1	5174748 NT	5174748 NT	5174748 NT	0.0E+00 AF098156.1	7857529 NT	7857529 NT	5803146 NT	4508004 NT	5803146 NT	4508004 NT	0.0E+00 AB011149.1	7681965	7881985 NT	B567387 NT	8587387 NT	0.0E+00 M14123.1	0.0E+00 A.250014.1	0.0E+00 AI208756.1	6042208 NT	4505846 NT	4505646 NT
Most Similar (Top) Hit BLAST E. Vatue	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 Y18000.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	· 0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	1.18	1.6	1.7	6.18	86.0	0.73	2.04	46.44	4.02	1.08	1.08	2	2	2	3.48	1.28	1.28	6.23	0.81	8,58	33.1	4.74	5.7	9.47	5.14	5.14	217	1.32	1.79	32.64	1.31	1.31
ORF SEQ ID NO:	27228	TZZZZ	27228	27258		27280			27284	27288	27289	27302		27304		27316			27323	27324			27328	27329	27330	27331				27422		77431
Exam SEQ ID NO:	14268	14289	15861	14287	14288	14297	14308	14314	14321	14327	14327	14339	14339	14339	14340	16863	15883	14354	14356	14357	14358	14360	14361	14362	14363	14363	_	L_		1449		14456
Probe SEQ ID NO:	1230	1231	1232	1251	1282	1282	1271	1279	1286	1282	1292	1303	1303	1303	1304	1314	1314	1319	1320	1322	1323	1325	1326	1327	1328	1328	385	1407	1415	1416	1423	1423

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Table 4
Single Exon Probes Expressed in Bone Marrow

Cirigle LAbrescou III Doire Interiore	ORF SEQ Expression (Top) Hit Accession BLASTE No. Source Sugnet Velue	8 27434 2.29 0.0E+00 7705565 NT Homo sepiens KIAA1114 protein (KIAA1114), mRNA	8 27436 2.29 0.0E+00 7705586 NT Homo septens KIAA1114 proteth (KIAA1114), mRNA	0 27436 6.81 0.0E+00 A.1238093.1 INT Homo sapiens pertial AF-4 gene, exons 2 to 7 and Alu repeat elements	27445 2.91 0.0E+00 AF038280.1 NT	0 27456 1.01 0.0E+00 US5637.1 NT Human nebulin mRNA, partial cds	27457 1.01 0.0E+00 U35637.1 NT	27464 3.14 0.0E+00 AL132999.1	27485 2.5 0.0E+00[AL137784.1 NT	27470 1.59 0.0E+00 D87077.1 NT	27473 5.38 0.0E+00 6912457 NT	27475 1.7 0.0E+00	27478 1.7 0.0E+00 7881985 NT	1.04 0.0E+00 Y07829.2  NT	27516 2.11 0.0E+00 7708434 NT	1 27532 1.94 0.0E+00 AA481172.1 EST_HUMAN BESHEDS.11 NCL_CGAP_GCB1 Homo septems cDNA clone IMAGE:815116 5	7 27536 29.54 0.0E+00 AF023980.1 NT Cercopithscus aethiops cyclophilin A mRNA, complete cds	27537 29.54 0.0E+00 AF023860.1 NT	27540 1.37 0.0E+00 AW978097.1  EST_HUMAN	B 27541 1.37 0.0E+00 AW976097.1 EST HUMAN EST388206 MAGE resequences, MAGN Homo septens cDNA	Homo septiens Bruton's tyrosine kinase (BTK), apha-D-galactosidase A (GLA), L44-tie ribosomal protein (L44L) and FTP3 (FTP3) genes, complete cds	2 27544 2.25 0.0E+00 M16788.1 NT Human T-cell receptor gamma chain VJCI-CIII region mRNA, complete cds	27545 2.04 0.0E+00 4505404 NT	27546 2.04 0.0E+00 4505404 NT	27547 3.31 0.0E+00 7882405 NT	7.04 0.0E+00 7856972 NT	27653 2.45 0.0E+00 M88478.1 NT	4 27555 1.24 0.0E+00 4507720 NT Homo septens titin (TTN) mRNA	27656 1.24 0.0E+00 4507720 NT	19.78 0.0E+00 4508854 NT	27557 26.31 0.0E+00 M14199.1 NT	27571 0.94 0.0E+00 4507720 NT	27572 0.94 0.0E+00 4507720 NT	Ш
		27434	27435	27438	27445	27458	27457	27464	27465	27470	27473	27475	27478		27516	27532	27536	27537	27540	27541		27544	27545	27546	27647		27663	27555	27656		27557	27571	27572	27673
	SEQ:ID	14458	14458	14460	14468	14480		14490	14492	14498	14489	14501	14501	14502	14545	14561	14567	14567	14569	14569	14571	14572	14573	14573	14574	14575	14581	14584	14584	15871	14585			14598
	Probe SEQ ID NO:	1426	1426	1427	1434	1447	1447	1457	1459	1463	1468	1468	1468	1469	1513	1528	1634	1534	1536	1538	1538	1530	1540	1540	1541	1542	1548	1551	1661	1552	1563	1563	1563	1565

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Table 4
Single Exon Probes Expressed in Bone Marrow

Single Exoli Propes Expressed ill borre mallow	Most Signal (Top) Hit Top Hit Acession Database Signal BLAST E No. Source		1.81 0.0E+00 5921460 NT	1.81 0.0E+00 5921460 NT ·	12.62 0.0E+00 AV690831.1 EST_HUMAN	12.62 0.0E+00 AV690831.1 EST_HUMAN	1 NT		4.83 0.0E+00 7662183 NT	7882183 NT	0.0E+00 5728878 NT	26.26 0.0E+00 5729876 NT		0.0E+00 H28973.1   EST_HUMAN	231 0.0E+00[AB046829.1 INT	2.31 0.0E+00 AB046829.1 NT			27883 1.19 0.0E+00 BE144384.1  EST_HUMAN  MR0-HT0168-191189-004-b11 HT0168 Homo septens cDNA	AI768104.1 EST_HUMAN	1.44 0.0E+00 4758513 NT	3.61 0.0E+00 AF057177.1 INT	1.72 0.0E+00 M29580.1 NT	27694 1.72 0.0E+00 M29580.1 NT Human zino-finger protein 7 (ZFP7) mRNA, complete cds	4557887 NT	27697 2.12 0.0E+00 7657066 NT (Hamp septens viets evien erythroblestosis virus E26 anagene related (ERG), mRNA	77700 1.27 0.0E+00 BE222374.1 EST_HUMAN MICP-1 LIKE PROTEIN TYROSINE PHOSPHATASE;	***		27706 6.17 0.0E+00 H30132.1 EST_HUMAN GAMMA-GLUTAMYLTRANSPEPTIDASE 5 PRECURSOR (HUMAN);	27706 5.17 0.0E+00 H30132.1 EST_HUMAN GAMMA-GLUTAMYLTRANSPEPTIDASE 5 PRECURSOR (HUMAN);
	ORF SEQ Expres ID NO: Sign	27589	27590	27591	27592	27593	27598	76972	27600	27601	27602	27603	27805	27621	27632	27633	27649	27682	27683	27887	27688	27689	27683	27694	27696	27697	27700	, we the	2001	27706	27.706
	SEQ ID NO:	14616	14617		14618		15872		14626	14628	14628	14628	14630	<u> </u>		14655	<u> </u>	14705	14705	14709	1	_	14714	14714	14716	3 14717	14724	<u> </u>	L	3 14723	
	Probe SEQ ID NO:	1583	1584	1584	1585	1585	1588	1592	1594	1594	1596	1596	1598	1613	1622	1622	164	1673	1673	1677	1678	1679	1883	1683	1885	1688	1690		8	1683	1693

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor Source	EST_HUMAN   qf43f09.x1 Scares_testis_NHT Homo sapiens cDNA clone IMAGE:1752809 3'	H.seplens H28th gene	H.sepiens H2Brh gene	Homo sapiens high-mobility group (nonhistone chromosomal) protein 17 (HMG17), mRNA	Homo sepiers WNT16 protein (WNT16) mRNA, complete ods	Hamo sepiens FOXJ2 forkhead factor (LOC55810), mRNA	Homo sapiens pericentriolar material 1 (PCM1) mRNA	Human hepatocyte growth factor gene, econ 15	Human hepatocyte growth factor gene, exon 15	Homo sepiens RNA binding motif protein, Y dramosome, family 1, member A1 (RBMY1A1) mRNA	Homo sapiens WAVE2 mRNA for WASP-femily protein, complete cds	TCR zeta [human, Genomic/mRNA, 365 nt, segment 1 of 8]	Homo sepiers solute carrier family 26 (suffate trensporter), member 2 (SLC26A2) mRNA	Homo sapiens NOD2 protein (NOD2), mRNA	Homo septiens SMCY (SMCY) giene, complete cds	Homo sepiens ribosomei protein S2 (RPS2) mRNA	Homo sepiens E1A binding protein p300 (EP300) mRNA	Homo sepiens E1A binding protein p300 (EP300) mRNA	Human CSF-1 receptor (FMS) gene, complete ods, and (SMF) gene, partial ods	HUMAN - Zd68g09.r1 Scares_fetal_heart_NbHH19W Homo saptems cDNA clone IMAGE:345684 5	Homo sapiens nuclear autoentigente sperm protein (histone-binding) (NASP) mRNA	EST_HUMAN   zn65c09.81 Strategene HeLa cell 83 937216 Homo saptens cDNA ctone IMAGE:663056 3'	Human ribosomal protein L21 mRNA, complete cds	Human mRNA for KIAA0333 gene, partial ods	Homo sepiens activating transcription factor 4 (tax-responsive enhancer element B67) (ATF4) mRNA	Homo sepiens activating transcription factor 4 (tex-responsive enhancer element B67) (ATF4) mRNA	Homo sepiens activating transcription factor 4 (tax-responsive enhancer element B67) (ATF4) mRNA	Homo sepiens Retine-derived POU-domain factor-1 (RPF-1), mRNA	Homo sapiens Retine-derived POU-domain factor-1 (RPF-1), mRNA	Homo sepiens mRNA for KIAA1152 protein, partial cds	Homo sepiens mRNA for KIAA1152 protein, partial cds
Top Hit Acessian No.		20780.1 NT	280780.1 NT	5031748 NT	0.0E+00[AF169963.1 NT	8923841 NT	3453855	I75980.1	175980.1 NT	4826973 NT	B028542.1 NT	394400.1 NT	4557538 NT	11545911 NT	0.0E+00 AFZ73841.1 NT	4506718 NT	4557558 NT	4557556 NT	U63963.1 NT	V78671.1 EST	4505332 NT	1	14967.1 NT	JB002331.1 NT	4602284 NT	4502284 NT	4502284 NT	6005855 NT	6005855 NT	B032978.1 NT	B032978.1 NT
Most Similar (Top) Hit BLAST E Veitus	0.0E+00 AI149890.1	0.0E+00 Z80780.1	0.0E+00 Z80780.1	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00 M75980.1	0.0E+00 M75980.1	0.0E+00	0.0E+00 AB028542	0.0E+00 S94400.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 W76571.1	0.0E+00	0.0E+00 AA113030.	0.0E+00 U14967.1	0.0E+00 AB002331.	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AB032978.	0.0E+00/
Expression Signal	0.94	7.26	7.28	28.3	0.91	535	1.03	96'0	96'0	1.37	20.03	2.59	26'0	121	2.63	35.79	242	242	205	1.32	3.9	1.13	14.85	5.94	6.64	6.64	6.64	6.56	6.58	1.34	1.34
ORF SEQ ID NO:		27708	27709		12112		12172	1811Z	27732	9£11Z	Z1743		27752	27759	27775		128 <i>L</i> Z	27872	52872		27829	27830	27846	27848	27849	27850	27851	27872	27873	27883	27884
SEQ ED	14725	14728	14728	14729	14739	14740	14743	14746	14748	14750	14756	14758	14787	15876	14789	15877	14833	14833	14835	14838	15878	14839	14851	14853	14854	14854	14854	14877	14877	14887	14887
SEQ B	16895	1686	1698 8	1699	1708	1710	1713	1716	1716	1720	1728	1728	1737	1744	1760	1800 081	1805	1805	1807	1810	1811	1812	1824	1826	1827	1827	1827	1851	1851	1861	1861

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Table 4
Pubes Franced in Bana

Single Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	Homo sepiens potassium voltage-gated channel, Shab-related subfamily, member 1 (KCNB1) mRNA	Homo sepiens potessium voltage-gated chennel, Sheb-related subfamily, member 1 (KCNB1) mRNA	Human retinal degeneration slow (RDS) gene, exon 1	Human retinal degeneration slow (RDS) gene, exon 1	UI-H-BI1-4fin-f-07-0-UI.s1 NCI_CGAP_Sub3 Homo sepiens cDNA clone IMAGE:2722333 3'	UI-H-BI1-din-f-07-0-UI.s1 NCI_CGAP_Sub3 Homo sepiens cDNA clone IMAGE:2722333 3"	601179164F1 NIH_MGC_20 Hamo septens aDNA clane IMAGE:3547239 5	601179164F1 NIH_MGC_20 Homo septens cDNA clone IMAGE:3547239 5	Homo sapiens nuclear protein (NP220), mRNA	Homo sapiens nuclear protein (NP220), mRNA	Homo sapiens RAD1 (S. pambe) homotog (RAD1) mRNA, and translated products	Homo sapiens RAD1 (S. pombe) homolog (RAD1) mRNA, and translated products	Homo sapiens DNA polymerase zeta catalytic subunit (REV3) mRNA, complete cds	Human transglutaminasse mRNA, complete cds	Human transglutaminase mRNA, complete cds	Homo sapiems transforming growth factor, beta 3 (TGFB3), mRNA	Homo saplens transforming growth factor, beta 3 (TGFB3), mRNA	Homo sapiens death receptor 6 (DR6), mRNA	Homo septions glutathione S-transferase thota 2 (GSTT2) and glutathione S-transferase thota 1 (GSTT1)	Human topolsomerase I pseudogene 1	Homo sepiens butyrophilin, subfamily 3, member A2 (BTN3A2), mRNA	Homo sapiens histidine anmonia-lyase (HAL) mRNA	Homo saplens histidine ammonia-lyase (HAL) mRNA	Homo septens chromosome 21 segment HS210052	Homo sepiens nebulin (NEB), mRNA	Homo saplens nebulin (NEB), mRNA	Homo sepiens actinin, elpha 4 (ACTN4) mRNA	Homo sapiens actinin, elpha 4 (ACTN4) mRNA	Homo sapiens mRNA for KIAA0790 protein, partial cds	Homo sapiens mRNA for KIAA0790 protein, partial cds	Human TFEB protein mRNA, partial cds
xon Probes Ex	Top Hit Detrabase Source				H	П	EST_HUMAN U	EST_HUMAN   &	T_HUMAN							H H				Ĭ 8					Ī							± E
Single E	Top Hit Acessian No.	4828783 NT	4826783 NT				0.0E+00 AW207280.1		0.0E+00 BE277465.1	7857390 NT	TN 0857380 NT	4506384 NT	4606384	4F157478.1 NT	M98478.1		4507464 NT	4507464 NT	7857038 NT	0 0E+00 AE2407788 1		5901905	4809282 NT	4809282 NT	7	8400716 NT	8400716 NT	4826638 NT	4826638 NT	3.1	3.1	
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00	0.0E+00	0.0E+00 U07147.1	0.0E+00 U07147.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AF15747E	0.0E+00 M98478.1	0.0E+00 M98478.1	0.0E+00	0.0E+00	0.0E+00	001300	0.0E+00 M55832.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AL163252	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AB01833	0.0E+00 M33782.1
	Expression Signal	3.28	3.28	6.86	6.86	1.48	1.48	3.46	3.46	0.83	86.0	202	2.02	1.13	1:41	1.41	2.02	2.02	1.06	68 4	288	1.46	1.88	1.88	6.0	1.81	1.81	2.97	2.97	1.05	1.05	1.59
	ORF SEQ ID NO:	27886	27887	27888	27889	27892	5887Z	27912	27913	27956	27957	27959	27960		27970	27971	27978	8797Z	27981			27988	27895	27996		28010	28011	28012	X.	28025		28030
	Exam SEQ ID NO:	14890	14890	14891	14891	14894	14894	14917	14017	14960	14960	14083	14963	14972	1.	16881	14977	14977	14979	4004	14086	15882	14994	14894	15005	15007		15008	15008	15018		15024
	Probe SEQ ID NO:	1865	1885	1888	1886	1869	1889	1892	1892	1836	1836	1930	1839	1948	1946	1948	1854 4	1864	1957	Ş	1984	1985	1973	1973	1984	1986	1986	1987	1987	1897	1997	2003

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ngle Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	Human TFEB protein mRNA, partial cds	x169b01.x1 NCI_CGAP_Part1 Homo saplens cDNA clone IMAGE:2678913 3'	x68bb1.x1 NCI_CGAP_Pen1 Homo sepiens cDNA clone IMAGE-2679913 3'	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo sapiens calcineum binding protein 1 (KIAA0330), mRNA	Homo septems mRNA for KJAA0577 protein, complete cds	H.sapiens genes for semenogelin I and semenogelin II	H.sapiens genes for semenogelin I and semenogelin II	Homo sapiens mRNA for KIAA1513 protein, partial cds	Homo sapiens SMCY (SMCY) gene, complete cds	Homo sapiens SMCY (SMCY) gene, complete cds	Homo sepiens TP53TG3a (TP53TG3a), mRNA	Homo sapiens coagulation factor IX (plasma thromboplastic component, Christmas disease, hemophilia B)	(FB) mRNA	AU140831 PLACE4 Homo sepiens cDNA clone PLACE4000321 5	7822E10 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7822E10	7822E10 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7822E10	Homo sapiens similar to rat integral membrane dycoprotein POM121 (POM121L1), mRNA	Homo sapiens phosphodiesterase 6A, oGMP-specific, rod, alpha (PDE6A), mRNA	qv80f08.x1 NCI_CGAP_Ut2 Home saplens cDNA clone IMAGE:1888871 3' similar to contains Atu repetitive element.	601485148F1 NIH MGC 69 Homo sepiens cDNA done IMAGE:3887747 5	601802804F1 NIH_MGC_19 Homo septens cDNA clone IMAGE:4135320 5	601902604F1 NIH_MGC_19 Homo sepiens cDNA done IMAGE:4135320 5	RC3-CT0413-270700-022-d10 CT0413 Homo sepiens cDNA	RC3-CT0413-270700-022-d10 CT0413 Homo sepiens cDNA	Human plasma membrane calcium ATPase Isoform 2 (APT282) mRNA, comiete cds	Human plasma membrane calcium ATPese isoform 2 (APT2B2) mRNA, comiete cds	Homo sapiens GTP binding protein 1 (GTPBP1) mRNA	QV1-GN0085-140800-318-c10 GN0065 Homo sapiens cDNA	Homo sepiens X-finked juvenile refinoschists protein (XLRS1) gene, exon 6 and complete cds	601672086F1 NIH_MGC_20 Homo sepiens aDNA clone IMAGE:3954785 67	PMD-BT0547-210300-004-F04 BT0547 Homo sapiens cDNA
xon Probes E	Top Hit Database Source	F	EST_HUMAN x	T_HUMAN			NT	H	NT IN	Y.	NT	H IN				EST_HUMAN  A	EST_HUMAN 7	T_HUMAN			PCT HIMAN	Т	Г	Г	EST_HUMAN R	EST_HUMAN R	H	H IN		EST HUMAN Q		ヿ	EST_HUMAN P
Single E	Top Hit Acession No.		0.0E+00 AW183024.1	0.0E+00 AW193024.1	6912457 NT	6912457 NT	0.0E+00 AB011149.1			3.1	0.0E+00 AFZ73841.1	0.0E+00 AFZ73841.1	7706742 NT		4503648 NT	1		0.0E+00 AA077589.1	7857468 NT	4585883 NT	0 0E±00 A124247 4				0.0E+00 BE697125.1	5.1			4758489NT	0.0E+00 BE767964.1   E			0.0E+00 BE072624.1
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00 M33782.1	0.05+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 Z47558.1	0.0E+00 Z47556.1	0.0E+00	0.0E+00	0.0E+00/	0.0E+00		0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	004300	0 0F+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 L00820.1	0.0E+00 L00620.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 E
	Expression Signal	1.59	1.29	1.20	6.19	6.19	1.33	1.36	1.36	3.07	1.16	1.10	<u>5</u> .		0.92	4.79	1.69	1.69	3.79	1.64	2.5	88	1.88	1.88	2.38	2.38	235	235	2.29	3.16	1.20	3.87	1.42
;	ORFSEQ ID NO:	28031	28032	28033			28037	28038	28039	28048	28072	28073	28104		28108	28109	28111	28112	<b> </b>			28123	28124	28125	28129	28130	28136	28137	28141			28159	28160
	SEQ ID	15024	L	15028	15027	15027		15030	15030	15037	15055	15055	15086		15091	15092	15094	15094	15098	15098	45400	15105	15108	15108	15110	15110	15115	15115	15120	15139	15140	15142	15143
	Probe SEQ ID NO:	2003	2005	2005	2008	2008	2008	2009	5008	2016	2036	2036	5069		2074	2075	2077	2077	2079	2081	2000	88	888	2089	2083	2083	2098	2088	2103	212	2123	2125	7 8 8

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Table 4
Single Exon Probes Expressed in Bone Marrow

Single Exon Probes Expressed in Boile Mailow	Top Hit Descriptor	Homo septiens glubafhione S-transferase theta 2 (GSTT2) and glubafhione S-transferase fheta 1 (GSTT1) cenes. complete cds	IL3-CT0219-271099-022-G10 CT0219 Homo sepiens cDNA	QV-BT065-020399-092 BT065 Hamo saplens cDNA	QV-BT065-020389-092 BT065 Homo sapiens cDNA	Human DNA-binding protein mRNA, 3'end	601122338F1 NIH_MGC_20 Hamo sapiens cDNA dans IMAGE:3346688 5	AV738288 CB Homo sepiens cDNA clone CBNBDE08 5	AV738288 CB Homo sepiens cDNA clone CBNBDE08 5"	0032e01.s1 NCI_CGAP_Lu5 Hamo sepiens cDNA clane IMAGE:1567896 3'	602014829F1 NCI_CGAP_Bm64 Hamo saptens cDNA clone IMAGE:4150734 6*	601572186T1 NIH_MGC_55 Hamo septens cDNA clone IMAGE:3839012 3'	CM1-TN0141-250900-439-b08 TN0141 Homo sapiens cDNA	CM1-TN0141-250900-439-b08 TN0141 Hamo sapiens cDNA	601800261F1 NIH_MGC_19 Hamo sapiens cDNA clane IMAGE:4129622 5	b584e02.y1 NIH_MGC_10 Homo sapiens cONA clone IMAGE:304e082 5' similar to TR-016170 Q16170 TRANSCRIPTION FACTOR S-IFRELATED PROTEIN ;	2463c07.s1 Scares_pregnent_uterus_NbHPU Homo sapiens cDNA clone IMAGE:486540 3' similar to	ga: Access/ and a created and recent contained and a contained	263007.81 Scares_pregnant_utens_nixHPU Homo sapiens cumA ciche imalace:480040 3 sanier to gb:X65857_cds1 OLFACTORY RECEPTOR-LIKE PROTEIN HGMIP07E (HUMAN);	Homo sapiens chromosome 21 segment HS210004	Homo saplens chromosome 21 sagment HS210004	Human beta-prime adeptin (BAW22) gene, evan 16	Homo sepiens E1A binding protein p300 (EP300) mRNA	Homo sapiens KIAA0952 protein (KIAA0952), mRNA	601433525F1 NIH_MGC_72 Homo septens cDNA clone IMAGE:3918607 5	601495208F1 NIH_MGC_70 Homo septens cDNA clone IMAGE:3897457 5	6014S5208F1 NIH_MGC_70 Homo sapiens cDNA clone IMAGE:3897457 5	Homo sepiens mRNA for KIAA1363 protein, pertiel cds	602014009F1 NCI_CGAP_Bm64 Homo saplens cDNA clone IMAGE:4149770 5	602014009F1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4149770 5	Homo sapiens differentially expressed in FDCP (mouse homolog) 8 (DEF8), mRNA	Homo sapiens dimerembany expressed in FUCF (mouse namoug) o (UEFO), mixay
Xon Probes a	Top Hit Database Source	5	EST HUMAN	EST_HUMAN	EST_HUMAN	M	EST HUMAN	EST_HUMAN	EST_HUMAN		EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	1000	EST HUMAN	EST_HUMAN	N	NT	Ŋ	¥	M	EST_HUMAN	EST HUMAN	EST_HUMAN	NT	EST_HUMAN	EST_HUMAN	Ę	¥
Biblic	Top Hit Acessian No.	,	2		0.0E+00 AI904840.1		1	1	.1	1	3F344434.1	1	3F377897.1	<b>-</b>	<b>-</b>			0.0E+00 AA042813.1	0.0E+00 AA042813.1	0.0E+00 AL163204.2	4L163204.2		4557556 NT	7882401 NT	0.0E+00 BE895281.1	0.0E+00 BE905583.1	0.0E+00 BE905563.1	0.0E+00 AB037784.1	BF344756.1	BF344756.1	11545748 NT	11545748 NT
ŀ	Most Similar (Top) Hit BLAST E Veitue	0.0E+00.0AE240788	0.0E+00/	0.0E+00 A1904640.1	0.0E+00/	0.0E+00 L14787.1	0.0E+00 BE274696.	0.0E+00 AV738288.	0.0E+00	0.0E+00 AA931691.	0.0E+00 BF344434	0.0E+00 BE748899	0.0E+00 BF377897	0.0E+00 BF377897	0.0E+00 BF313817	0 0F+00 BE018750		0.05+00/	0.0E+00	0.0E+00	0.0E+00 AL163204	0.0E+00 U36264.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00
	Expression Signal	*	285	4.92	4.82	1.37	0.83	16.22	16.22	1.18	3202	25.7	6.56	6.56	1.7			1.50	1,58	3.38	3.38	1.57	7.38	1.33	2.29	1.56	1.56	1.54	1.32	1.32	<u>Α</u>	4.01
	ORF SEQ ID NO:	20,00	28163	28165	28166		28229	28232	28233	28235	28239	28240	28244	28245	28250	1368C		28254	28255	28263	28264		58282				28306	28308	,	14882		28343
	Exem SEQ ID NO:	16445	15148	15150	15150	15206	1621	16213	15213	16216	15219	15220	15224	15224	15887			15231	15231	15239	15239	15244	15266	16272	15278			15282	15320			
	Probe SEQ ID NO:	5.75	2131	2483	2133	2191	2488	2198	2198	200	202	2205	2209	2002	2213	9248		ង្ក	7122	2225	2225	2230	2252	8977	2284	2288	2286	2269	2308	2308	2309	2309

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Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID. NO:	Esan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vætue	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
2310	16322	28344	211	0.0E+00	0.0E+00 Al078404.1	EST_HUMAN	0208007x1 Soares_fetal_liver_splean_1NFLS_S1 Homo sepiens cDNA clone IMAGE:1674828 3'
2312	15324	28346	1.43	0.0E+00	0.0E+00 AA428001.1	EST_HUMAN	zv?Ber11.r1 Sceres_ibdel_fetus_NbZHFB_9w Homo septens cONA clane IMAGE:759740 5
2312	15324		1.43	0.0E+00	0.0E+00 AA428001.1	EST_HUMAN	zv?Ber1.11 Sceres_total_fetus_Nb2HF8_9w Homo septiens cDNA clone IMAGE:759740 5
2314		28349	221	0.0E+00	0.0E+00 BF347039.1	EST_HUMAN	602021846F1 NCI_CGAP_Bm67 Homo sapiens cDNA clone IMAGE:4157339 5
2315	14572	27544	1.36	0.0E+00	0.0E+00 M16768.1	NT	Human T-call receptor gamma chain VJCH-CIII region mRNA, complete cds
2320			1.09	0.0E+00	0.0E+00 L02840.1	NT	Homo sapiens potassium channel Kv2.1 mRNA, complete cds
2321	16332	28356	1.67	0.0E+00	IN 8975468	NT	Homo saplens flavin containing monoccygenase 3 (FMO3), mRNA
7327	15338	28361	1.83	0.0E+00	0.0E+00 BE678095.1	EST HUMAN	7822a02.x1 NCI_CGAP_CLL1 Homo septens cDNA clone IMAGE:3285370 3' similer to TR:094839 094639 KIAA0857 PROTEIN:
2830			5.18	0.0E+00	Ļ	N.	Horno sepiens phosphorylese kinese alpha subunit (PHIKA2) gene, exon 32
2331	L		211	0.0E+00	0.0E+00 AI825542.1	EST_HUMAN	157c08.x1 NCI_CGAP_Ut2 Homo sepiens cDNA clone IMAGE:2283182 3'
2338			1.78	0.0E+00	5803178	NT.	Homo saplens sperm specific antigen 2 (SSFA2), mRNA
2338	15347	58369	1.78	0.0E+00	5803178 NT	IN	Homo sepiens sperm specific antigen 2 (SSFA2), mRNA
2342			1.44	0.0E+00		NT	Homo sepiens KIAA0218 gene product (KIAA0218), mRNA
2342			1.44	0.0E+00		NT	Homo septens KIAA0218 gene product (KIAA0218), mRNA
2346	15355	17882	26'0	0.0E+00	0.0E+00 D83778.1	NT	Human mRNA for KIAA0194 gene, partial cds
2346		82882	26'0	0.0E+00	0.0E+00 D83778.1	NT	Human mRNA for KIAA0194 gene, partial cds
2356		28386	3.77	0.0E+00	5174678 NT	NT	Homo saptens signal regulatory protein, beta, 1 (SIRP-BETA-1) mRNA
2360		28390	1.88	0.0E+00	0.0E+00 AU131142.1	EST_HUMAN	AU131142 NT2RP3 Hamo sepiens cDNA clane NT2RP3002064 5
2361			8.67	0.0E+00	0.0E+00 BE794028.1	EST_HUMAN	601586843F1 NIH_MGC_7 Hamo sepiens cDNA clane IMAGE:3941003 57
2362		28391	1.23	0.0E+00	0.0E+00 AW867076.1	EST_HUMAN	MR1-SN0033-120400-002-e04 SN0033 Horpo septens cDNA
2363	15371		3.7	0.0E+00	TB62017 NT	M	Homo septens KIAA0244 protein (KIAA0244), mRNA
2384	16372		2.27	0.0E+00	1N 28487 NT	NT	Homo sapiens hacese-8-phosphate dehydrogenase (glucose 1-dehydrogenase) (H6PD), mRNA
2364	15372	<b>58394</b>	2.27	0.0E+00	TN 28497 NT	NT	Homo sepiens hease-6-phosphate dehydrogenase (glucose 1-dehydrogenase) (H6PD), mRNA
	,						Homo sepiens cytochrome P450 polypeptide 43 (CYP3A43) gene, partial cds; cytochrome P450 polypeptide 4 (CYP3A4) and cytochrome P450 polypeptide 7 (CYP3A7) genee, complete cds; and cytochrome P450
2365			6.34	0.0E+00	0.0E+00 AF280107.1	NT	polypeptide 6 (CYP3A6) gene, partial cds
2367			13.47	0.0E+00	0.0E+00 AU118082.1	EST_HUMAN	AU118082 HEMBA1 Hamo sepiens aDNA done HEMBA1002839 5
2367	15375	2008	13.47	0.0E+00	0.0E+00 AU118082.1	EST_HUMAN	AU118082 HEMBA1 Homo sepiens cDNA clone HEMBA1002839 5
2367	15375		13.47	0.0E+00	0.0E+00 AU118082.1	EST_HUMAN	AU118082 HEMBA1 Homo sapiens cDNA clone HEMBA1002839 6"
2368		28399	98.0	0.0E+00	TN 6808288	M	Homo septens hypothetical protein FLJ20081 (FLJ20081), mRNA
2424	15431	28453	1.11	0.0E+00	0.0E+00 AU119582.1	EST_HUMAN	AU119582 HEMBA1 Homo sapiens cDNA clone HEMBA1008155 5
2426	15433		4.37	0.0E+00	0.0E+00 Al042035.1	EST HUMAN	ακθούο2x1 Sogres_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:1660683 3' similar to TR:008662 C08662 230KDA PHCSPHATIDYLINOSITOL 4-KINASE.;

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Single Exon Probes Expressed in Bone Marrow

Single Exon Probes Expressed in Bone Marrow	Hit asse Top Hit Descriptor	WAN 601432608F1 NIH_MGC_72 Hamo septiens aDNA dane IMAGE:3918168 5		Homo sepiens glutamete receptor, lonotropic, N-methyl D-aspartate 2A (GRIN2A) mRNA	Homo expiens gene for cholecystakinin type-A receptor, complete cds	Homo sapiens gene for cholecystakinin type-A receptor, complete cds	Hamo sapiens immunoglobulin-like transcript 1c variant 4 (ILT1c) gene, exon 6		Homo sepiens collagen, type XII, alpha 1 (COL12A1), mRNA			Human G proteth-coupled receptor (GPR1) gene, complete ods	Human G protein-coupled receptor (GPR1) gene, complete cds							Homp sepiens mRNA for membrane transport protein (XK gene)	Homo sapiens platelet-derived growth factor receptor-like (PDGFRL) mRNA	Homo septens similar to rat integral membrane glycoprotein POM121 (POM121L1), mRNA						Homo sapiems affican mRNA, complete ods						
Exon Pr	Top Hit Detabase Source	EST_HUMAN	<b>EST_HUMAN</b>	뇐	N.	M	NT	EST_HUMAN	۲	<b>EST_HUMAN</b>	EST_HUMAN	M	ᅜ	<b>EST_HUMAN</b>	EST HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	<b>EST_HUMAN</b>	F	NT	NT	F	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	¥	<b>EST_HUMAN</b>	<b>EST_HUMAN</b>	EST_HUMAN	<b>EST_HUMAN</b>	<b>EST_HUMAN</b>	EST_HUMAN
Single	Top Hit Acession No.	0.0E+00 BE895805.1	0.0E+00 AB005622.1	8006002 NT	0.0E+00 D85608.1	0.0E+00 D85606.1	0.0E+00 AF106275.1	0.0E+00 BF345274.1	5729777 NT	0.0E+00 BE831003.1	0.0E+00 BE831003.1	0.0E+00 U13688.1	0.0E+00 U13668.1	0.0E+00 BF669144.1	0.0E+00 AW 468922.1	0.0E+00 AW501010.1	0.0E+00 AW813853.1	0.0E+00 BE785542.1	0.0E+00 BF509482.1	0.0E+00 Z32684.2	5453871 NT	7857468 NT	0.0E+00 U83239.1		0.0E+00 BE875511.1	0.0E+00 BE875511.1	0.0E+00 AF114027.1	0.0E+00 AF245505.1	BE536921.1	0.0E+00 AU143277.1	0.0E+00 AU143277.1	BE292896.1	0.0E+00 BE292898.1	0.0E+00 BF2Z3041.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	12	1.83	5.37	223	2.23	3.38	1.08	3.44	1.27	1.27	1.03	1.03	3.72	2.12	3.03	264	11.9	1.43	228	4.58	3.56	2.51	1.5	6.2	6.2	1.07	1.11	1.25	3.18	3.18	1.51	1.51	4.1
	ORF SEQ ID NO:			28468	28471	28472	28481	28486	28494	28497	28498	28502	28503	28504	28514	28515		28543	28544	28548		28650	28551	28557	28563	28564	28585	28588	28576	28583	28584	28585	28586	28587
	Exam SEQ ID NO:	15436	15446	15440	15451	15451	15459	15463	15470	15474	15474	15479	15470	15480	15490	15492	15516	15520	15521	16624	15528	15529	15530	15536	15540	15540	15541	15543	15580	15584	15564	15566	15565	15566
	Probe SEQ ID NO:	2429	2439	2443	2448	2446	2454	2459	2468	2470	2470	2475	2475	2478	2887	2488	2513	2517	2518	282	2523	2528	2627	2533	2538	2638	2539	2541	8552	2563	2563	<b>5284</b>	7587	2565

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Homo sepiens aditioan mRNA, complete ods	801173831F1 NIH MGC_17 Hamo sepiens cDNA done BNAGE:3529159 5	Homo sepiens mRNA for KIAA1415 protein, partial cds	Homo sepiens mRNA for KIAA1416 protein, partial cds	UHHBW1-emp412-0-UL81 NG_CGAP_Sub7 Hamo septens cDNA clane IMAGE:3070631 3'	602152853F1 NIH_MGC_81 Homo sepiens aDNA clone IMAGE:4283612 5	M18b08.x1 NCI_CGAP_Bm25 Homo sepiens cDNA clone IMAGE:2168056 3° cimiler to gb:L20977 CALCIUM-TRANSPORTING ATPASE PLASMA MENIBRANE, BRAIN ISOFORM 2 (HUMAN);	Homo sepiens TATA box binding protein (TBP)-essociated factor, RNA polymerase II, I, 28kD (TAF2)	mRNA	Homo sepiens mRNA for KIAA1438 protein, partial cds	601590108F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3944304 5	601580108F1 NIH_MGC_7 Hamo sapiens aDNA clane IMAGE:3944304 5	601584830F1 NIH_MGC_7 Hamo sapiens aDNA dane IMAGE:3839222 6	Homo sepiens IMP (inosine monophosphate) dehydrogenase 1 (IMPDH1) mRNA	Homo septems Bruton's tyrosine kinase (BTK), alphe-D-galactosidase A (GLA), L44-like ribosomal protein	(LTM.) and FITS (FITS) galas, compass was	Homo septems guenykate cyclasse-activating protein 2 (GUCA1B) gene, exon 1	Homo sapiens mRNA for KIAA0538 protein, partial cds	AU133385 NTZRP4 Homo sepiens cDNA clone NTZRP4001884 6	Human bullous pemphigoid amigen (BPAG1) mRNA, complete cds	AU130403 NT2RP3 Homo sepiens cDNA clone NT2RP3000779 5	AU130403 NT2RP3 Homo sepiens cDNA clane NT2RP3000779 6	RC1-OT0086-220300-011-d07 OT0086 Hamo sapiems cDNA	7h15h05x1 NCI_CGAP_Co16 Homo sapiens cDNA clone IMACE:3316089 3'	601298714F1 NIH_MGC_19 Hamo sepiens aDNA alone IMAGE:3828923 67	601278373F1 NIH_MGC_39 Hamo sepiens cDNA clane IMAGE:3610267 5	Homo sapiens mRNA for KIAA1311 protein, partial cds	EST188414 HCC cell line (matastassis to liver in mouse) II Homo sapiens cDNA 5' end similar to ribosomal	protein L29	601589623F1 NIH_MGC_7 Hamo sapiens aDNA dane IMAGE:3943591 5	Human beta-prime-adaptin (BAM22) gene, extm 5	Homo sepiens neuregulin 1 (NRG1),transcript variant SMDF, mRNA	Homo sepiens skeletal muscle LIM-protein 1 (FHL1) gana, complete cds
Top Hit Database Source	Į.	T HUMAN	Π		EST_HUMAN	EST_HUMAN	EST_HUMAN				EST_HUMAN (	EST_HUMAN	EST_HUMAN					ż	EST_HUMAN /	NT.	EST_HUMAN /	EST_HUMAN	Г	EST_HUMAN	EST_HUMAN	EST_HUMAN	Г		EST HUMAN	EST_HUMAN	M		IN
Top Hit Acession No.	<u> </u>								5032150 NT		0.0E+00 BE785445.1	0.0E+00 BE795445.1	0.0E+00 BE792472.1	4504686 NT			1	0.0E+00 AB011108.1	1		1	-	2		0.0E+00 BE383166.1	Ļ	L		0.0E+00 AA316723.1	1		569517	0.0E+00 AF110763.1
Most Similar (Top) Hit BLAST E Value	0.0E+00 AF245505.	0.0E+00 BE296813.	0.0E+00 AB037838.	0.0E+00	0.0E+00	0.0E+00 BF672818.	0.0E+00		0.0E+00	0.0E+00 AB037859.	0.05+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00 0780Z/.1	0.0E+00 AF173227.	0.0E+00	0.0E+00 AU133385	0.0E+00 M69225.1	0.0E+00 AU130403.	0.0E+00 AU130403.	0.0E+00	0.0E+00	0.0E+00	0.0E+00 BE531283.	0.0E+00/		0.0E+00/	0.0E+00	0.0E+00 U36253.1	0.0E+00	0.0E+00
Expression	8.58	103	216	216	2.35	1.01	1.11		2.57	7.78	1.25	1.25	8.15	266		1.32	5.99	110.09	122	0.82	1.28	1.28	207	1.12	5.39	3.03	0.92		11.44	1.11	3.65	1.05	1.6
ORF SEQ ID NO:	28589	28607	28629	28630		28634			28843	28647	28648	28649		28664			28872	28673	28676	28877	28679	28680	28883	28686	28887		28719			28741			
SED ID	15569	L	L.	l	l	15610	15618		15619	15622	15623	15623	15633	15640		15650	15851	15855	15658	15659	15861	15661	15684	15667	ŀ	ı	1	1	15728	L	15733	15734	15735
Probe SEO ED	2568	2580	888	888	2607	283.1	2820		282	2623	2624	2824	2634	2642		2653	2654	8592	2661	2662	2664	2664	2687	2870	2871	2872	2709		2732	2733	2739	2740	2741

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	Top Hit Descriptor	801691991F1 NIH_MGC_7 Hamo sapiens oDNA dane IMAGE:3945983 6	801335485F1 NIH_MGC_39 Hano saplens cDNA clane IMAGE:3688564 5	AV721647 HTB Hamo sapiens cDNA clone HTBBYE09 5'	Homo sepiens spermatogenesis associated PD1 (KIAA0757) mRNA	Homo sepiems spermatogenesis associated PD1 (KIAA0757) mRNA	Homo sepiens hypothetical protein FLJ20477 (FLJ20477), mRNA	Homo sepiens hypothetical protein FL/20477 (FL/20477), mRNA	Homo septens hypertension-related calcium-regulated gene mRNA, complete cds	AV651068 GLC Homo septems cDNA clone GLCCLD073'	CM1-TN0141-250800-439-508 TN0141 Hamo sepiens cDNA	CM1-TN0141-250900-439-b08 TN0141 Hamo septens cDNA	Homo sapiens cerebellar degeneration-related protein (34kD) (CDR1) mRNA	Homo sapiens cerebellar degeneration-related protein (344D) (CDR1) mRNA	601580903F1 NIH_MGC_9 Homo septens cDNA clone IMAGE:3829472 5	Homo sepiens chromosome 21 segment HS21C001	UI-H-BW1-amw e-07-0-UI.s1 NCI_CGAP_Sub7 Hamo sepiens cDNA clane IMAGE:3071340 3'	Homo sapiens chondroitin sulfate proteoglycan 4 (melanoma essociated) (CSPC4), mRNA	Homo sepiens angiopolethn3 (ANG-3), mRNA	Homo sepiens angiopoletin-3 (ANG-3), mRNA	602085578F1 NIH_MGC_83 Hamo saplens cDNA clone IMAGE-4249915 5	Homo septems protein tyrosine phosphatase, receptor type, T (PTPRT), mRNA	AV725534 HTC Hamp sapiens cDNA dane HTCCCA03 5"	AV725534 HTC Homo sapiens cDNA dane HTCCCA03 5	aus56004,y1 Schneider fetal brain 00004 Homo sapiens cDNA cione IMAGE:2518003 5' smilar to SW 1813A_HUMAN P40429 60S RIBOSOMAL PROTEIN L13A;	602071957F1 NCI_CGAP_Bm67 Homo septens cDNA clone IMAGE:4214679 6	601450912F1 NIH_MGC_65 Hamo saptens cDNA clane IMAGE:3854642 5	AU131494 NT2RP3 Homo septens cDNA clone NT2RP3002672 5	AU131494 NT2RP3 Hamo seplens cDNA clane NT2RP3002672 5	600944794F1 NIH_MGC_17 Hamo septens cDNA clane IMAGE:2980808 5	600944794F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:2980806 5	gfycoprotein D=Duffy group amtigen [human, blood, Genomic DNA, 3068 nt]	Homo sepiens BTRCP2 mRNA for F-box and WD-repeats protein isoform C, complete cds	Homo sapiens ALK-like protein mikna, parual cos
	Top Hit Deterberse Source	EST HUMAN 8	EST_HUMAN 6	EST_HUMAN A							EST_HUMAN C	EST_HUMAN C			EST_HUMAN 6		EST_HUMAN L	,			THUMAN			EST_HUMAN A	EST HUMAN		EST_HUMAN 6		EST_HUMAN /	EST_HUMAN (	T_HUMAN	,		Į.
	Top Hit Acession No.	0.0E+00 BE796378.1	1	1.	5174486 NT	5174486 NT	8923441 NT	8923441 NT	0.0E+00 AF280195.1	1	0.0E+00 BF377897.1	1	4757963 NT	4757963 NT	0.0E+00 BE747193.1	2	0.0E+00 BF514110.1	TN 8608034	7706275 NT	7705276 NT	.1	427522	.1	0.0E+00 AV725534.1	0.0E+00 AI879163.1	-	Į.	-		_			٠-	0.0E+00 AF284750.1
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00	0.0E+00 BE563433.	0.0E+00 AV721647	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AV851088	0.0E+00	0.0E+00 BF377897	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 BF677894	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 S78830.1	0.0E+00	0.0E+00
-	Expression Signal	8.77	13.57	122	28	28	86.0	98'0	3.23	48.84	6.5	6.5	96.0	16.0	286	1.71	4.09	1.02	1.58	1.58	4.03	1.58	16.3	15.3	13.6	2.83	3.53	1.98	1,88	34.92	34.94	7.12	0.75	1.8
	ORF SEQ ID NO:	28758	28762		28785			28768			28770		_		28780	L	28792		28800	28801			28813			28819			1					26735
	SEQ ID	15741	15903	16744	15748	15746	15747	15747		Ŀ	15750			L					1			1		15795	1	1	1	1	l_			L	Ш	13798
	Probe SEQ ID NO:	2748	2751	2762	15.5	2754	2756	2755	2756	73127	2758	2758	2762	2762	2766	212	2780	2786	2782	2792	2783	2790	2863	2882	2805 2805	8087	2809	2841	7	2812	2842	28	2820	2826

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2880         15636         28856         61.62         0.0E+00         4503470         NT         Homo sepiens eukarycitc translation elongation factor 1 elpha 1 (EEF1A1) mRNA           2880         15639         28866         61.62         0.0E+00         4503470         NT         Homo sepiens eukarycitc translation elongation factor 1 elpha 1 (EEF1A1) mRNA           2891         15650         28866         2.45         0.0E+00         4507280         NT         Homo sepiens sether/threonine kinase 9 (STK6) mRNA           2894         15873         0.81         0.0E+00         ALO47589.1         EST_HUMAN         DKFZp588G0621_r1 586 (synonym: hubs) Homo sepiens cDNA clane DKFZp588G0621           2895         15864         28871         1.07         0.0E+00         7691883         NT         Homo sepiens KIAA0054 gene product; Helicase (KIAA0054), mRNA           2896         15964         207         0.0E+00         4503088         NT         Homo sepiens chandritin sulfate product; Helicase (KIAA0054), mRNA           2896         15965         207         0.0E+00         4503088         NT         Homo sepiens chandritin sulfate product; Helicase (KIAA0054), mRNA
15957 28875 6.43 0.0E+00 BE081898.1 EST HUMAN
TAIDAN AND AND AND AND AND AND AND AND AND

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					s Atu					16247	16247										nslocated to, 4	nslocated to, 4									
ngie exon probes expressed in bone manow	Top Hit Descriptor	Homo septems low density lipoproteth-related protein 2 (LRP2), mRNA	Homo sapiens chronosome 21 segment HS210006	Homo sapiens chromosome 21 segment HS210008	#298611.s1 NCI_CGAP_GCB1 Homo sepiens cONA clone IMAGE:683517 3' similar to combains Alu		Homo sapiens hitbs gene for hair keraim, exons 1 to 9	Homo saplens EphA4 (EPHA4) mKNA	Homo espiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mRNA	tm18d07.x1 NCL_CGAP_Bm25 Homo sepiens cDNA clone IMAGE:2167981 3' similar to TR:016247 016247 F44E7.2 PROTEIN: ;	th18407.x1 NCI_CGAP_Bm25 Homo sapiens cDNA clone IMAGE:2167981 3' similar to TR:O16247	O16247 F44E7.2 PROTEIN.;	Homo sapiens protocadherin gamma C4 (PCDH-gamma-C4) mRNA, complete cds	qg49f04.x1 Sceres_testis_NHT Homo septens cDNA done IMAGE:1838527 3' stratter to SW:CB20_HUMAN P62298 20 KD NUCLEAR CAP BINDING PROTEIN;	Homo sapiens mRNA for KIAA1267 protein, partial cds	Homo sapiens mRNA for KIAA1267 protein, partial cds	Homo sepiens mRNA for KIAA1508 protein, partial cds	Hamo sepiens mRNA for KIAA1508 protein, partiel ods	Homo sepiens KIAA0100 gene product (KIAA0100), mRNA	Homo sapiens KIAA0100 gene product (KIAA0100), mRNA	Homo sepierns myeloid/fymphoid or mbed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 4 (MLT4) mRNA	Homo espiens mysiciallymphoid or mbad-lineage leukemia (trithcrax (Drosophila) homolog); translocated to, 4 (ALLT4) mRNA	Homo sepiens metenome entigen, family B, 4 (MAGEB4), mRNA	Homo sepiens melanoma entigen, family B, 4 (MAGEB4), mRNA	Homo sapiens neuredin III (NRXN3) mRNA	H.sepiens mRNA for M phase phosphoprotein 10	Homo sepiens immunoglobulin-like transcript 1c variant 4 (ILT1c) gene, exon 6	qf43f09.x1 Sogree_festis_NHT Homo sapiens cDNA clone IMAGE:1752809 3'	Homo sepiens prospero-related homeobox 1 (PROX1) mRNA	Homo saplens mRNA for PKU-alpha, pertial cds	Hamo sepiens KIAA0737 gene product (KIAA0737), mrdva
Xon Propes t	Top Hit Datebase Source	MT	NT	보	TOT DIMEN	CO L DOMM	٤	Ā	۲	EST_HUMAN		EST_HUMAN	NT	EST HUMAN	F	Z	Z	ΝŢ	¥	M	L		Z	¥	¥	K	N.	EST_HUMAN	K	Z.	5
Single	Top Hit Acessian No.	6806918 NT	0.0E+00 AL163206.2		,			4758279 NT	4503470 NT	-		_	13	1209084.1	-	-		B040941.1	7881903	TR61903 NT	5174674 NT	5474574 NT	4505084 NT	4505084 NT	4758827 NT		-	\1149880.1	506118	0.0E+00 AB004884.1	7862273 NT
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00	0.0E+00	0.0E+00		U.UE+00 AAZISS/8	0.0E+00 Y19210.1	0.0E+00	0.0€+00	0.0E+00 AI561002		0.0E+00 AI581002	0.0E+00 AF15Z338	0.0E+00 AI209084.	0.0E+00 AB033093	0.0E+00 AB033083	0.0E+00 AB040941	0.0E+00 AB040941	0.0E+00	0.0E+00	0.0E+00	200	0.0E+00	0.0E+00	0.0E+00	0.0E+00 X98494.1	0.0E+00 AF108275	0.0E+00 A1149880.	0.0E+00	0.0E+00/	0.0E+00
	Expression Signal	0.63	2.62	2.52		<b>X</b>	4.07	1.17	23.04	0.92		0.92	76.0	1,38	292	292	4.91	16.4 19.1	258	2.58	2.73	, E	238	236	1.74	1.83	7.63	1.1	0.97	2.71	1.61
	ORF SEQ ID NO:	28884	28888	28889		28880		28900	28901	28902		28903	28905	28910	28918	28919	28920	289ZH	28924	28925	28928			28042		L	28962		28973		
	Exen SEQ ID NO:	16962			<u> </u>		16973	16978	15977	15978		15978		l	15997	16997	15998	15998	1689.	16001	<u> </u>				1_				1	ı	16085
	Probe SEQ ID NO:	2903	29082	2808		2807	2915	2018	2849	2020		2820	2822	2834	2839	2839	2840	988	2843	2843	2044	3	205	205	2965	2968	2971	2985	2807	2995	3007

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	ORF SEQ Expression (Top) Hit Acession Database ID No. Signal BLASTE No. Source Sure Source	28985 1.96 0.0E+00	66 28986 1.96 0.0E+00 5729755/NT Homo septens calclum channel, voltage-dependent, gamma subunit 3 (CACNGS), mRNA	28994 0.95 0.0E+00 AF11448	74 28895 0.05+00 AF114488.1 INT Homo sepiens intersectin short isoform (ITSN) mRNA, complete cds		29014 1.28 0.0E+00 M74099.1 NT	28021 0.88 0.0E+00 450882 NT	29023 0.76 0.0E+00 AW978288.1 EST_HUMAN	4.37 0.0E+00]AF185953.1 NT		29032	6.14 0.0E+00 AL359403.1 INT	23 29036 2.48 0.0E+00 AF017433.1 INT Homo septens putative transcription factor CR53 (CR53) mRNA, pertial cds	Homo sepiens transcription factor ICHM enhancer 3, JM11 protein, JM5 protein, T54 protein,	JM10 protein, A4 differentiation-dependent protein, triple LIM domain protein 6, and synaptophysin genes,	1.68 0.0E+00 AF196779.1 NT	41 28052 0.73 0.0E+00 AF170492.1 NT Homo espiens chloride chennel CLC4 (CIC4) mRNA, complete cds	29064 12.69 0.0E+00 X03529.1 NT	1.77 0.0E+00/AF198355.1 NT	28071 1.71 0.0E+00/AF084589.1 INT	29090 4.2 0.0E+00/AF266208.1 NT		29096 2.83 0.0E+00 7682139[NT	87 29098 1.58 0.0E+00 AF042075.1 INT (Homo septens offactory receptor-like protein (OLFR 42B) gene, OLFR 42B-9110 allete, partial cds	13 29128 4.32 0.0E+00 4826783 NT Homo sapiens potassium voltage-gated channel, Shab-related subfamily, member 1 (KCNB1) mRNA	29135 22.34 0.0E+00 L20941.1 NT	28138 1.3 0.0E+00 AB011121.1 NT	29139 1.3		29/63 1.13 0.0E+00 BF243338.1 EST_HUMAN	29164 1.11 0.0E+00 AI968086.1 EST_HUMAN	29171 4.28 0.0E+00 X98922.1 NT
		28985	28986	28994	28005		29014	28021	28023		29031	28032		28036				28052	28064		28071	28080	29091	23095	29096	29128	29135	28138	28139	28145	29/63	23164	28171
-	SEQ ID NO:	3008 16066	16068	3016 16074	3016 16074	16096	3040 16098	16107		3057 16114	3060 16117	16117	62 16119	3068 16123				3084 16141		3098 16155				3129 16186	3130 16187	3167 16213	65 16220	3168 16223	68 16223	3174 16229	3190 16245		3197 16252
	Probe SEQ ID NO:	ਲ	ಹ	ಹ	೫	ಶ	ౙ	ಹ	శ	೫	೫	ಕ	೫	೫			<u>ಹ</u>	જ	೫	ಕ	80	Š	ရှ	3,	31	<u> </u>	8	န်	က်	8	9	હ	က်

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					,		
Probe SEQ ID NO:	Exam SEQ ID NO:	RF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Deterbese Source	Top Hit Descriptor
3197	16252	23472	4.28	0.0E+00	0.0E+00 X98922.1	M	H.sapiens mRNA for gamma-glutamytransferase
3207	16262	29183	1.18	00+30'0	4758827 NT	ᅜ	Homo septens neuredn III (NRXN3) mRNA
3207		28184	1.18	0.0E+00	4758827	NT	Homo sapiens neuredn III (NRXN3) mRNA
3213	16268	29191	9.61	0.0E+00	4504658 NT	NT	Homo sapiens interfeukin 1 receptor, type I (IL1R1) mRNA
3230		29208	8.8		0.0E+00 M28699.1	NT	Homo septens nuclecter phosphoprotein B23 (NPM1) mRNA, complete cds
	L						Homo sepiens solute carrier family 25 (mitochondrial carrier, adentine nucleotide translocator), member 5
3234		29211		0.0E+00	\$		(SLCZSA5), ruckear gene encoding mitochondrial protein, miKNA
3240		29219			47		Homo sapiens CREB binding protein (Rubinstein-Teybi syndrome) (CREBBP) mitNA
3240		29220	96.0	0.0E+00	4758055		Horno sapiens CREB binding protein (Rubinstein-Teybi syndrome) (CREBBP) mRNA
3242	16297	29221	3.36			T_HUMAN	ae875/11.s1 Strategene schizo brain S11 Homo sepiens cDNA clone IMAGE:971133 3'
3250	16305	29229	3.58	0.0E+00	0.0E+00 AF286598.1	NT	Homo sepiens angiostatin binding protein 1 mRNA, complete ods
3250	16305	29230	3.58		0.0E+00 AF286598.1	NT	Homo saplens angiostatin binding protein 1 mRNA, complete cds
3261	16315	29236		00+30'0	4567590 NT	M	Homo sapiens fibrilin 1 (Marfan syndrome) (FBN1) mRNA
3267	16821	29243	1.02	0.0E+00		¥	Homo seplens titin (TTN) mRNA
							Homo sapiens HLA class III region contrahing tensacin X (tensacin-X) gane, perdal cds; cytochrome P450 21-
							hydraxylasa (CYP21B), complement component C4 (C4B) G11, helicase (SKI2W), RD, complement factor B
3275	16329	28250	1.04		0.0E+00 AF019413.1	M	(Bf), and complement component C2 (C2) genes,>
3ZT8		29253	4.45		0.0E+00 AF055084.1	N	Homo sapiens very large G-protein coupled receptor-1 (NLGR1) mRNA, complete cds
3288	18312	29261	2.4	00+∃0'0	4502014 NT	Nī	Homo sapiens A kinese (PRKA) anchor protein 1 (AKAP1), mRNA
3288	18312	29262	24	00+30'0	4502014 NT		Homo sapiens A khase (PRKA) anchor protein 1 (AKAP1), mRNA
3333	16356	28276	2.89		0.0E+00 AF265208.1		Homo sapiens SWLSNF complex protein p270 mRNA, partial cds
308	16357	29278	98'0		8923624 NT	NT	Homo sepiens hypothetical protein FLJ20695 (FLJ20695), mRNA
							te8f08.x2 NCI_CGAP_Pan1 Homo sapiens cDNA done IMAGE:2222635 3' similar to SW-FL11_RAT
		2000	28/	00-100 00-100	C.UETOU Alboazat.1	TO TOWNER	Early USE   TRANSPORT   FIRST   FIRST   TRANSPORT   EARLY   FIRST
33		CLSSZ		U.UE+00	U.UE+UU AF128895.1	Z	I INITE SERVICE INTEREST LANG SO DE SANDES ( L.C. ) VICIO CONTRA SERVICE SERVI
3343		29316			AF1288	¥	Homo sapiens telomerase reverse transcriptase ( I E.K. ) gene, exons 1-6
3344		29817				Ę	Homo sepiens hormonally upregulated neu fumor-essociated kinase (HUNK), mRNA
3344	16395	29318	0.85		7657243 NT	¥	Horno septens hormonally upregulated neu fumor-associated kinase (HUNK), mRNA
3346	16397	20319	1.11	0.0E+00		¥	Horno sepiens caspase 8, apoptosis-related cysteine protease (CASP8) mRNA
3346	16397	28320	1.11	0.0E+00	4502582 NT	NT	Homo sapiens caspase 8, apoptosis-related cysteine protease (CASP8) mRNA
3349	16400	28322	10.77	0.0E+00	_	Ę	Homo sepiens pyrin (MEFV) gene, complete cds
3351	16402	29324	1.09		0.0E+00 AB040940.1		Horno sapiens mRNA for KIAA1507 protein, partial cds
3358		29330	0.85		0.0E+00 BE779039.1	EST_HUMAN	601464996F1 NIH_MGC_67 Homo septens aDNA clone IMAGE:3868248 5
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Single Exon Probes Expressed in Bone Marrow	ORF SEQ Expression (Top) Hit Acession (Top) Hit Acession (Top) Hit Descriptor Top Hit Descriptor Signal BLAST E No. Source	0.0E+00 BE304791.1 EST_HUMAN	2.29 0.0E+00 BE304791.1   EST_HUMAN	1.07 0.0E+00 4826795 NT	1.24 0.0E+00 O14867 SWISSPROT	0.88 0.0E+00 AI384007.1 EST HUMAN	1.08 0.0E+00 M10976.1 NT	0.92 0.0E+00 AB032979.1 NT	· 0.92 0.0E+00 AB032979.1 NT	AV701869.1 EST_HUMAN	29523 0.92 0.0E+00 4506894 NT Homo septems semenogetin II (SEMS2) mRNA	AF078868.1 NT	I NT	1.21 0.0E+00/AB040909.1 NT		1.16 0.0E+00 6997248 NT	97248 NT	1.06 0.0E+00 6325463 NT	1 EST_HUMAN	1 NT	10.61 0.0E+00 BF676393.1  EST_HUMAN	1.04 0.0E+00 AW637977.1 EST_HUMAN		T_HUMAN	967 NT	29588 0.84 0.0E+00/AW684693.1 EST_HUMAN httl84g01.xt Soares_NFL_T_GBC_S1 Homo capiens cDNA clone MAGE-2978024.3'	29589 0.84 0.0E+00 AW684693.1 EST_HUMAN	29503 0.83 0.0E+00 4826763 NT	29598 1.03 0.0E+00 7882319 NT	29804 0.67 0.0E+00 4557752 NT	29505 0.67 0.0E+00 4557752 NT	29618 3.11 0.0E+00 D87327.1 INT	10.78 0.0E+00 , 7869491	29637 16.15 0.0E+00 AB026542.1 NT
		20486	29487	29490	29491	29495	29498	29513	29514	29522	29523		29531	29534	29544	29551	29552	29555			29564	20579	29585	29586		29588	29589	29593	29598	29604	29605	29618		29637
	Exan O SEQ ID NO:	16562		L	16567	16572	16576	16589	16589	16597	16598	16800	16809	16612	16623	16633	16833	16635	16840	16847	L	16861	16872	16672	16673	16875				16689		16704		18724
	Probe SEQ ID NO:	3516	3516	3519	3521	3526	3529	3543	3543	3661	3552	3564	3563	3567	3578	3588	3588	3590	3595	3602	3603	3617	3629	3629	3630	3632	3632	3636	3638	3846	3646	3661	3684	3681

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Strigle Extri Probes Expressed III Dotte Mariow	Exam ORF SEQ Expression (Top) Hit Acession ID NO: Signal BLAST E No. Source Source	16728 29639 4.02 0.0E+00 AF124250.1 NT Homo sepiens SH2-containing protein Nsp2 mRNA, complete cds	16728 29840 4.02 0.0E+00 AF124250.1 NT Homo septems SH2-containing protein Nsp2 mRNA, complete cds	29847 1.6 0.0E+00/AL163204.2 NT	INT .	1.34 0.0E+00 AW851714.1 EST_HUMAN	Z9928 NT	16742 29855 1.37 0.0E+00 AB018339.1 NT (Hamo septems mRNA for KIAA0796 protein, partial cds	0.72 0.0E+00 O14867   SWISSPROT	16746 29659 1.45 0.0E+00 AB020717.1 NT Homo septens mRNA for KIAA0910 protein, partial cds	16746 23650 1.45 0.0E+00 AB020717.1 NT Hamo sapiens mRNA for KIAA0910 protein, partial cds	1 0.0E+00	29683 1 0.0E+00 7662237/NT	4.6 0.0E+00 AW298134.1 EST_HUMAN	4.6 0.0E+00 AW298134.1 EST_HUMAN	16784 29699 1.47 0.0E+00 AB004830.1 NT Human gene for Type XIX collagen a1 chain, exon 6	1.06 0.0E+00 A4483639.1 EST HUMAN SW 4CRB4_SHEEP P02445 KERATIN, HIGH-SULFUR MATRIX PROTEIN, IIIB4. [1];	29701 0.78 0.0E+00 AB020710.1 INT	29703 3.92 0.0E+00 7857468 NT	16801 29713 0.77 0.0E+00 AB037835.1 INT Homo septems mRNA for KIAA1414 protein, partial cds	19.76 0.0E+00 4506718 NT		29733 0.92 0.0E+00 4505594 NT	3.15 0.0E+00 AF179733.1 NT	29779 2.76 0.0E+00 7857468[NT	NT	29787 0.91 0.0E+00 AF127851.1  NT	I NT	29789 1.01 0.0E+00 AI377689.1 EST_HUMAN	0.0E+00 AF162498.1 NT	16886 29780 0.97 0.0E+00 4758189 NT Homo septens desmoplatin (DPI, DPII) (DSP) mRNA
																														3885	
	Probe E SEQ ID SE NO:		L	3882													3743			3760											3846 1

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ngle Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	Homo sepiens ATP-sensitive invertity rectifying K-channel subunit (KCNJ8/BIR1) gene, complete cds	Homo septens methyl CpG binding protein 2 (MECP2), mRNA	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	Homo explains 5-hydroxytryptamine (serotonin) receptor 1D (HTR1D) mRNA	Homo septens gene for TMEM1 and PWP2,complete and partial cols	Homo sepiens gene for TMEM1 and PWP2,complete and partial cds	Homo septions transient receptor potential channel 5 (TRPCS), mRNA	Homo septens chromosome X open reading frame 5 (CXORF5) mRNA	Hamo sepiens dramosome X apen reading frame 5 (CXORF5) mRNA	Human zinc finger protein ZNF134 mRNA, complete ods	Hamo septens intersectin short isoform (ITSN) mRNA, camplete cds	Homo sapiens potassium voltage-gated channel, Shab-related subfamily, member 1 (KCNB1) mRNA	Homo sapiens familial mental retardation protein 2 (FMR2) gene, exon 11	Homo sepiens SC35-interacting protein 1 (SRRP129), mRNA	Homo sepiens emphiphysin gene, pertial cds	wk01f01.x1 NCI_CGAP_Lym12 Homo septems cDNA clone IMAGE:2411065 3" similar to TR:O43340 O43340 R28830_2.;contains element PTR7 repetitive element;	Homo sepiens ribosomal protein S8 (RPS8), mRNA		Homo sepiens AP1 germma subunit binding protein 1 (AP1GBP1), mRNA	Homo sapiens AP1 gamma subunit binding protein 1 (AP1GBP1), mRNA	Homo sepiens glutamete receptor, metabotropic 3 (GRM3) mRNA	Homo sepiens melenoma entigen, family B, 1 (MAGEB1) mRNA	Homo expians HBP17 heparin-binding and FGF-binding protein gene, complete cds	Homo sepiens ryanodine receptor 3 (RYR3) mRNA	Homo sepiens zinc finger protein (KIAA0412) mRNA	Г	MXRA5 Human matrix tissue expression library Homo sepions cDNA clone Incyte 1896728 similar to MXRA5 Matrix permoleting associated gene 5	T		Homo septens F-box protein Fb3b (FBL3B) mRNA, partial cds
xon Probes	Top Hit Database Source	M	NT	. <b>T</b> V	Į,	ᅜ	¥	Į.	NT	NT.	Z	MT	ᅜ	¥	Z	M	EST_HUMAN	Ę	<b>EST_HUMAN</b>	TN.	Ā	٦	NT	M	Ę	攴	EST_HUMAN	DET LI IMAN	TOWN TOWN	EST_HUMAN	Į.
Single E	Top Hit Acession No.	S78685.1	7710148 NT	7682183 NT	4504534 NT	0.0E+00 AB001523.1	0.0E+00 AB001523.1	6912735 NT	4503178	4503178	U09412.1	0.0E+00 AF114488.1	4826783 NT	0.0E+00 AF012515.1	4759171 NT	0.0E+00 AF099117.1	0.0E+00 AI864727.1	4506742 NT	0.0E+00 AL040338.1	6005887	6005887 NT	4504138	4505078 NT	0.0E+00 AF149412.1	4506758 NT	4585842 NT	0.0E+00 BF366296.1	A11/000224 4	0.0E+00 AW886ZZ1.1	AW888221.1	0.0E+00 AF129533.1
	Most Similar (Top) Hit BLAST E Vetue	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00.0	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	20.50	0.00=+000	0.0E+00	0.0E+00
	Expression Signal	16.29	2.25	<u>1</u>	1.1	1.15	1.15	72.0	7.17	71.17	434	1.13	1.28	13	2.38	67.0	2.34	13.72	1.38	1.34	1.34	1.78	1.75	1.06	1.17	1.3	49.1		1.03	1.05	1.85
	ORF SEQ ID NO:	29794	29796	29797	29800	29805	90862	29807	29815	29816	29819	20820	28822	29825	20828	29628	20838	28842	29848	29855		29857		29861	29877	,			29887	29892	
	Exam SEQ ID NO:	16890	16892	16883	16897		16901	16902	16907	16907	16809	16910	16913		16917	16919	16929	16932	16937	16943	16943	16944	16946			16968			16977	16977	Ш
	Probe SEQ ID NO:	3850	3862	3853	3857	3862	3862	3863	3868	3868	3870	3871	3874	3877	3878	3880	3880	3882	3897	3903	3903	3904	3008	3910	3924	3928	3936		3937	3837	3947

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igia Extil Flores Expressed iii Colie mailow	Top Hit Descriptor	601236968F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3608800 5'	PM3-LT0031-100100-003-h09 LT0031 Homo septens cDNA	Hamo sapians cancar-testis antigen CT10 (CT10) gene, complete cds	Homo sepiens cancer-testis antigen CT10 (CT10) gene, complete cds	Human MHC class II lymphocyte entigen DPw4-beta-2 pseudogene, exon 2	Homo saplens chromosome 21 segment HS21C103	Hoino sapiens chromosome 21 segment HS210084	Hamo explems ahromosome 21 segment HS210068	mrg=mas-related [human, Genomic, 2416 nf]	Homo saplens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mRNA	186698.x1 NCL_CGAP_GC6 Homo septens cDNA clone IMAGE:2244734 3' similer to TR:O60309 O60309 KIAA0563 PROTEIN;	Homo sapiens KIAA0569 gene product (KIAA0569), mRNA	Human zinc finger protein ZNF133	Chlorocebus aethiops mRNA for ribosomal protein S4X, complete cds	Hamo sapiens mRNA for UGA suppressor fRNA-associated antigenic protein (fRNA48 gene)	Homo sapiens chromosome 21 segment HS21C003	Homo saplens mRNA for rapa-2 (rapa gene)	Homo septems mRNA for repe-2 (repa gene)	Homo sapiens retinoblastoma-binding protein 4 (RBBP4) mRNA	Homo sapiens retinoblastome-binding protein 4 (RBBP4) mRNA	Homo sepiens phosphoribosy/glycinamide formyltransferase, phosphoribosy/glycinamide synthetase,	prospinations yet morning according to (CODOA) and NA	Harris equals of process coupled to open 21 (ST 12.), its vir.	House contains IMP (Inceine mercehoesheets) dehurtmeneses ( (IMPDH4) mRNA	All the opposite that appropriately carbon designation of the control of the cont	NOVER FLATION INVIVATION CHORDON 1, WINCH 1988 SURBBINGS TO DAY 12 gardes	zeccedej, il scares retina NzD4HK Homo sapients GUNA cione IMA(4E.362620 5) similar to contains Au repetitive element,	Homo sepiens DGCR8 (DGCR8) mRNA, complete cds	Homo sapiens protein kinase, X-linked (PRKX) mPNA	Homo saptens protein kinasa, X-linked (PRKX) mRNA	Homo septens butyrophilin, subfamily 3, member A2 (BTN3A2), mRNA	Homo septens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA
	Top Hit Deterbese Source	EST_HUMAN 6	EST_HUMAN P	H	IN IN	T.	T.		H IN			EST_HUMAN K		F.	N	H) TN	H	H									Z	EST HUMAN	Т				
	Top Hit Acession No.	1	0.0E+00 AW580740.1				2	2	2		4503470 NT	F.	7682183 NT		1		2	0.0E+00 AJZ77278.1 N	0.0E+00 AJZ77Z78.1 N	5032026 NT	5032028 N		4503514 NI	3	0.0E+00 ABOOCLES.   A140007 NT	i	0.0E+00 AL096857.1 N	0.0E+00 AA018975.1		4826947 NT	4826947 N	5801905 NT	4503854 N
	Most Similar (Top) Hit BLAST E Value	0.0E+00 BE378602.	0.0E+00	0.0E+00 AF116195.	0,0E+00 AF116185.	0,0E+00 M23910.1	0.0E+00 AL163303.	0.0E+00 AL163284.	0.0E+00 AL163268.	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U09366.1	0.0E+00 AB015610.	0.0E+00 AJZ38617.	0.0E+00 AL163203.	0.0E+00 A	0.0E+00 ≜	0.0E+00	0.0E+00		0.05.400	0.00.00	0.05-00	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	3.36	1.06	52I	521	3,56	6.54	3.12	1.69	68'0	58.15	1.47	1.13	1.67	5.87	3.81	1.14	267	2.67	7.81	7.81		12/	08.4	70.1	3	2.85	7	3.26	1.62	1.62	1.28	1.09
	ORF SEQ ID NO:	20008	29916	20045	28946		-	20061	28970	28974	-		29988	20989	30007		30020	30021	30022	30028	30029		3003	30042	2508	200	30046	_	30051	27127	27128	30063	30064
	SEQ ID	16962	17001	17039	17039	17049	17052	17060	17069	17074	17085	17091	17093	17094	17111	17119	17127	17128	17128	17134	17134		17145	201	101/1	27.	17156	17158	1	14177	14177	17175	17176
	Probe SEQ ID NO:	3962	3961	8	4000	4010	4013	4022	4031	4036	4047	4504	4057	4058	4078	4085	4093	4084	4094	4100	4100		4111	7114	0 3	1714	4122	4123	<del>2</del>	4138	4138	4143	4144

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	Top Hit Descriptor	Homo sapiens GA-binding protein transcription factor, alpha subunit (60kD) (GABPA), mRNA	Нотто sapiens semenogelin II (SEMG2), mRNA	Homo sapiens hypothetical protein FLJ10379 (FLJ10379), mRNA	Homo sepiens hypothetical protein FLJ10379 (FLJ10379), mRNA	Homo sepiens mRNA for KIAA0895 protein, partial cds	W10404.x1 NCL_CGAP_GC8 Homo sapiens cDNA clone IMACE:25159753'	w104d04.x1 NCI_CGAP_GC8 Hamo saplens cDNA done IMAGE:261697631	MR1+HT0707-100500-001-a02 HT0707 Hamo sapiens cDNA	WR1-HT0707-100500-001-e02 HT0707 Homo sepiens cDNA	601120778F1 NIH_MGC_20 Homo sapiens cDNA clone IMAGE:2867880 5	Homo sepiens mRNA for KIAA 1125 protein, partial cds	Homo sepiens mRNA for KIAA1125 protein, partial cds	Homo sepiens transglutaminase 3 (E polypeptide, protein-glutamine-gamma-glutamyftransferase) (TGM3)	mRNA	Homo septems nuclear receptor coactivator 3 (NCOA3), mRNA	Novel human gene on chromosome 20	ba51f04.x1 NIH_MGC_10 Homo sepiens cDNA clone IMAGE:2800095 S' similier to SW:THIZ_BOVIN Q95108 MITOCHONDRIAL THIOREDOXIN PRECURSOR;	UHHF-BMO-ack-c-02-0-UI.r1 NIH_MGC_38 Homo sepiens cDNA clone IMAGE:3063147 57	Homo sepiens hypothetical protein FLJ10498 (FLJ10498), mRNA	Homo septems hypothetical protetn FLJ10468 (FLJ10498), mRNA	Homo sepiens polycystic kidney disease (polycystin) and REJ (sperm receptor for egg jelly, sea urchin homolog)-like (PKDREJ) mRNA	zu68fr07.s1 Soares_testis_NHT Homo saplens cDNA clone IMAGE:743197 3' similar to contains Atu	repetitive element contains element MER35 repetitive element;	zu68h07.s1 Soares_bests_NHT Homo sapiens cDNA clone IMAGE:743197 3' similar to contains Atu	repeative elements element MENSO repeative element;	Homo septens um ( I I N) micuva	Homo septens titin (TIN) rnRNA	Hamo sepiens ahramosame 21 segment HS21C103	Homo sepiens mRNA for offactory receptor protein, pseudogene	Human apolipoprotein B-100 mRNA, complete ods	PN2-DT0023-080300-004-e08 DT0023 Homo sapiens cDNA	Homo sapiens myelodyspiasia syndrome 1 (MDS1) mRNA
	Top Hit Database Source						EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	אַן	N.				Į.	EST HUMAN					1	EST_HUMAN		HOMAN	Z	노	NT	NT	TN	EST_HUMAN	
	Top Hit Acession No.	4503854 NT	4506884 NT	8922391	8922391 NT	0.0E+00 AB020702.1	0.0E+00 Al982597.1	0.0E+00 Al982597.1	0.0E+00 BE184856.1	0.0E+00 BE184858.1	3E274217.1	0.0E+00 AB032861.1	0.0E+00 AB032961.1		4507476 NT	5729725 NT	0.0E+00 AL132999.1	0.0E+00 AW675599.1	-	8922466	8922466 NT	5174632 NT		0.0E+00 AA401438.1		AA401438.1	4507720NI	4507720 NT	0.0E+00 AL163303.2	0.0E+00 AJ003145.1	J02810.1	0.0E+00 AWS3689.1	4828827 NT
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00 BE274217	0.0E+00	0.05+00		0.0E+00	0.0E+00	0.0E+00/	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.05+00		0.0E+00/			0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 J02810.1	0.0E+00	0.0E+00
	Expression	1.09	98.0	0.8	9.0	99.0	4.7	4.7	12	1.2	3.98	0.83	0.93		1.02	264	1.13	14 14	1.12	1.23	123	437		8.0		8.6	1.04	1.04	78.0	1.26	219	0.87	0.74
	ORF SEQ ID NO:	30085	29523	20067	30068	30071	30078	30079	30081	30082		30087	30088	-	30080	30091	-		30106	30109	30110			30133	*	30134	30149	30150		30194	30211	Ĺ	30236
	SEQ ID	17178	16598	17179	17179	17184	17190	17190	17192	17192	17196	17201	17201		17203	17204	17206	17214	17219	172271	17221	17281		17240		17249	17284	17264	17287	17315	17331	17348	17351
	Probe SEQ ID NO:	414	4146	4148	4148	4163	4159	4159	4161	4161	4165	4178	4170		4172	4173	4174	4183	<del>2</del> <del>8</del> <del>8</del> <del>8</del> <del>8</del> <del>8</del> <del>8</del> <del>8</del> <del>8</del> <del>8</del> <del>8</del>	4180	4190	6007		623		\$ <del>2</del>	4235	4235	4258	4286	4302	4317	4322

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igie Extil Flobes Extressed III Dolle Mallow	. Top Hit Descriptor	Homo sepiens myelodyspiasta syndrome 1 (MDS1) mRNA	Homo sepiens F-box protein Fbl4 (FBL4) mRNA, partial cds	edi2306.x1 Sceres_placenta_8to9weeks_2NbHP8to9W Homo saplens cDNA clone IMAGE:1724579 3*	BITHER TO CONTRINS MENCAL REPORTED CHARACT.	Human CBFA3 (Chfa3) gene, partial cds	Homo sepiens proprotein convertase subtilism/kevin type 2 (PCSK2) mRNA	Homo saplens protein kinase C, nu (PRKCN), mRNA	Homo sepiens protein kinase C, nu (PRKCN), mRNA	Human G2 protein mRNA, partial cds	Human G2 protein mRNA, partial ods	Homo sepiens COMPLEMENT COMPONENT C1q RECEPTOR (C1QR), mENA	Homo sapiens gap junction protein connexin-36 (CX38) gene, complete cds	Human ig light chain VL1 region germline (humiv1c2c) gene, partial cds	Homo sepiens plasma membrane calcium ATP ase Isoform 1 (ATP2B1) gene, alternative spiloe products,	pertial cds	H.capiens H28h gene	H.sapiens H28/h gene	H. sapiens H4/d gene for H4 histone	H.sapiene H4/d gene for H4 histone	Homo sapiens KIAA0380 gene product (KIAA0390), mRNA	Homo sapiens KIAA0390 gene product (KIAA0390), mRNA	Homo sapiens Menkes disease gene, exon 4	Homo septens caudal type homeo box transcription factor 4 (CDX4), mRNA	Homo sapiens Xq pseudoautosomal region; segment 2/2	Homo sapiens mRNA for KIAA1360 protein, partial cds	Homo sapiens myosin regulatory light chain interacting protein (MIR), mRNA	Homo septens membrane-bound amthopeptidase P (XNPEP2) gene, complete cds	Homo sapiens ACTN2 gene for alpha-Actinh 2, exon 10	Homo sapiens ACTN2 gene for alpha Actinin 2, exon 10	24g7 Human retina cDNA randomly primed sublibrary Homo sapiens cDNA	24g7 Human refina cDNA randomly primed sublibrary Homo sapiens cDNA	Homo sapiens HPS1 gene, intron 6	seq1329 b4HB3MA Cot8-HAP-Ft Homo sapiens cDNA clone b4HB3MA-COT8-HAP-F1205 5	seq1329 b4HB3MA Cot8-HAP-Ft Homo sapiens cONA clone b4HB3MA-COT8-HAP-F1205 5
AUI L'IOUGS	Top Hit Database Source				HOMAN			•			אַל			Ę			L L	N N	TA TA	TN.	Ę	N.	z		Ę	IN		NT IN	٦	E	EST_HUMAN	T_HUMAN		EST_HUMAN	
Single	Top Hit Acessian No.	4826827 NT	0.0E+00 AF174590.1		- -		4505646 NT	6563384	6563384 NT	110001.1		5912281 NT	0.0E+00 AF153047.2								7882091	1/602997		4885126 NT	0.0E+00 A.1271736.1	0.0E+00 AB037781.1	7019456 NT	0.0E+00 AF196953.1	0.0E+00 A.1249765.1	0.0E+00 AJ249765.1			1		
	Most Similar (Top) Hit BLAST E Veitue	0.0E+00	0.0E+00		0.0E+00	0.0E+00 U14620.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U10891.1	0.0E+00	0.0E+00	0.0E+00 U03901.1		0.0E+00 L14561.1	0.0E+00 Z80780.1	0.0E+00 Z80780.1	0.0E+00 X60483.1	0.0E+00 X80483.1	0.0E+00	0.0E+00	0.0E+00 X82338.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00 W28179.1	0.0E+00 W28179.1	0.0E+00 AF200629.	0.0E+00 T10233.1	0.0E+00 T10233.1
	Expression	0.74	3.59		253	5.62	26:0	0.77	0.77	1.15	1.15	9.53	1.12	11.19		4.52	6.75	6.75	1.31	1.31	9.47	9.47	122	15	1.23	1.01	1.2	6.71	1.53	1.53	0.88	0.88	247	0.63	0.63
	ORF SEQ.	30237	30239				30254	30261	30262	30268	30269	30275		30303		30310	30315	30316	30322	30323	30329	30830	30341	30345	30348	30348	30376		30386			30394		30424	30426
	Exan SEQ ID NO:	17351	17353		17360	17363	17374	17380	17380	17388	17388	17396	17415	17420		17428	17430	17430	17436	17436	17440	17440	17450	17453	17454	17457	17489	17497	17502	17502	17505	17505	17520	17539	17539
	Probe SEO ID NO:	4322	4324		4332	4336	4347	4353	4353	4359	4359	4369	4387	4392		4398	4402	4402	4408	4408	4413	4413	4423	4428	4427	4430	4463	4471	4478	4478	4480	4480	4495	4514	4514

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Single Exon Probes Expressed in Bone Marrow

Ale Exoli Flores Explosed III Dolle III delle	Top Hit Descriptor	Human endogenous retrovirus HERV-K10	200808.X1 NCL_CGAP_ESQ2 Homo sapiens cDNA clone INAGE:2589448 3" striiter to SW:AHNK_HUMAN Q09668 NEUROBLAST DIFFERENTIATION ASSOCIATED PROTEIN AHNAK;	Homo sepiens LIM domain kinase 2 (LIMK2), trenscript variant 2a, mRNA	wc56b02x1 NCJ_CGAP_Pr28 Homo septens cDNA ctone IMAGE:2322603 3' similar to conteins MER22.b2 PTR5 repetitive element ;	Homo sepiens chromosome 21 segment HS21C007	PMr-HT0305-101199-002-d03 HT0305 Homo septems cDNA	Homo sapiens mRNA for putative antyrin-repeat containing protein (ORF1)	Homo sapians mRNA for putative ankyrin-repeat containing protein (ORF1)	Homo sapiens G protein-caupled receptor 50 (GPR50) mRNA	Homo sepiens serine-fineanine protein kinase (MNBH) mRNA, complete cds	H.sapiens pancreatic polypeptide receptor PP1 gene	Homo sapiens stabitransferase 8 (alpha-N-acetytheuraminata: alpha-2,8-siatytransferase, GD3 synthase) (SIAT8) mRNA	Homo sepiens ATP-sensitive inwardly rectifying K-chamel subunit (KCNJ6/BIR1) gene, exon	Homo sepiens pyrin (MEFV) gene, complete cds	Homo sapiens pyrin (MEPV) gene, complete cds	Homo sepiens zinc finger protein 185 (ZNF185), mRNA	Hamo sapiens syncytin precursar, mRNA, camplete ads	Homo septens zinc finger protein 211 (ZNF211), mRNA	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) mRNA	Homo sapiens chondrottin suffate proteoglycan 4 (melanome-essociated) (CSPG4), mRNA	Homo sepiens calclum/calmodulin-dependent protein kinase IV (CAMIK4) mRNA	Homo septems idumonate sulphrate sulphratase (IDS) gene, complete cds	Homo sapiens KIAA0390 gene product (KIAA0390), mRNA	Homo sepiens KIAA0390 gene product (KIAA0390), mRNA	Homo sapiens PTEN (PTEN) gene, excris 3 firough 5	Homo sepiens mRNA for G7c protein (G7c gene located in the class III region of the major histocompatibility	complext	Homo septens mRNA for G7c protein (G7c gene located in the class III region of the major instructing manually m	United contacts mDNA for KIAAA705 perhalp harfiel cels	HOLD Equation into the factorial production of the complete of	IOTID SECRETS DIVA TO BITISHAN provision provisity writiphese was
7 CON L 1000	Top Hit Database Source	H.	EST HUMAN		EST HUMAN	T	EST_HUMAN	- LN	1 IN		NT IN	NT.											П	П	П	Ш		Ę				
Jail Mile L	Top Hit Acession No.		0.0E+00 AW084964.1	51619	0.0E+00 A(696698.1		1	0.0E+00 AJZ78120.1	0.0E+00 AJZ78120.1	4758487 NT	0.0E+00 AF108830.1		TNI 2506952				FN 5265009	0.0E+00 AF208161.1	5454175 NT	4503470 NT	4503098	4502556 NT		7682091 N	7662091 NT	0.0E+00 AF143314.1		0.0E+00 AJ245418.1		,	2	
-	Most Similar (Top) Hit BLAST E Value	0.0E+00 M14123.1	0.0E+00	0.0E+00	0.0E+00.A	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 Z66526.1	0.05+00	0.0E+00 S78684.1	0.0E+00/	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 1.35485.1	0.0E+00	0.0E+00	0.0E+00		0.0E+00		0.05+00	O.UE+W	0.0E+00 D87675.1
	Expression Signal	6.0	3.45	1.86	8	8,69	1.86	12	1.2	1.73	2.8	0.94	80	800	191	1.91	2.31	6.31	1.32	30.53	1.82	4.1	2.89	13.95	13.95	1.97		10.93		10.93	121	46.99
	ORF SEQ ID NO:		30441		30444	-	30449	30456	30457	30459	30460	30466	30467	30473	30474	30475	30486	30491	30501	30510		30524		30626	30527	30540		30543			30545	
	Econ SEQ ID NO:	17542	17553	18318	17556	17560	17582	17568	17568	17570	17571	17576	1121	17582	17583	17583	18319	17597	17804	17616	17828	17831	17635	17837	17837	17653		17656	١.	_ [		17686
	Probe SEQ ID NO:	4517	4520	4634	AFR.	4537	4539	4545	4645	4547	4548	4563	AREA	45.50	15.60	92	4570	4575	4582	4595	4805	4610	4814	4616	4616	4632		4635		4635	4637	4645

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Top Hit Descriptor	2p18g08.s1 Stratagene fetal retina 937202 Homo sapiens cDNA ctone IMAGE:6098543'	Homo sepiens odz (odd Oziten-m, Drosophila) homolog 1 (ODZ1), mRNA	Homo saplans chromosome 21 segment HS210084	y82b01.s1 Scares_pineal_gland_N3HPG Homo sapiens cDNA clone IMAGE:2317213'	y82b01.s1 Scares_pined_gland_N3HPG Homo sapiens cDNA clone IMAGE:231721 3'	Homo sapians cyclophilin-related protein (NKTR) gene, complete cds	Homo sapiens chromosome 21 segment HS21C100	Homo sapiens gene for natriuretio protein, partial cds	Homo sapians DNA mismatch repair protein (MLH3) gene, complete cds	Novel human gene mapping to chomosome 1	Hamo sepiens keretin 18 (KRT18) mRNA	Homo sapiens keratin 18 (KRT18) mRNA	Mus musculus E-cadherin binding protein E7 mRNA, complete cds	Homo sepiens ADPIATP carrier protein (ANT-2) gene, complete ods	Homo seplens ADP/ATP carrier protein (ANT-2) gene, complete cds	Homo sepiens ADPIATP carrier protein (ANT-2) gene, complete cds	Homo sapiens mRNA for KIAA1047 protein, partial cds	Homo sepiens mRNA for KIAA 1047 protein, partial cds	Human endogenous retrovirus type K (HERV-K), gag, pol and env genes	Homo sepiene truncated tenescin XB (TNXB) gene, pertial ods and TNXA gene recombination breakpoint region	Homo sepiens mRNA for KIAA1389 protein, pertial cds	Homo sapiens mRNA for KIAA1399 protein, partial cds	Human displacement protein (OCAAT) mRNA	Homo sapiens butyrophilln, subfamily 2, member A2 (BTN2A2), mRNA	Homo sapiens butyrophilin, subfamily 2, member A2 (BTN2A2), mRNA	ys83g04.r2 Strategene fetal spleen (#837205) Homo sepiens cDNA clone IMAGE:68310 5	ya83g04.r2 Stratagene fetal spleen (#837205) Homo sapiens cDNA clone IMAGE:68310 5	601168935F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3505621 5	Homo sapiens ecotropic viral integration site 28 (EVI28), mRNA	Homo sapiens ecotropic viral integration site 28 (EVI28), mRNA	Human AHNAK nucleoprotesh mRNA, 6' end	Human haptoglobin and haptoglobin-related protein (HP and HPR) genes, complete cds	Human haptoglobin and haptoglobin-related protein (HP and HPR) genes, complete cds
Top Hit Delebese Source	EST_HUMAN	5	TN	EST_HUMAN	EST_HUMAN	MT	· F	M	¥	F	Ŧ	5	Z	¥	¥	ĘŃ	NT	노	¥	¥	Ę	Z	Į.	1	<u>ا</u>	EST HUMAN	EST_HUMAN	EST_HUMAN	IN	4T	NT	M	Þ
Top Hit Acession No.	0.0E+00 AA174072.1	7857410 NT	0.0E+00[AL163284.2 [1			1.1	0.0E+00 AL163300.2	.1	0.0E+00 AF195858.1	F.	4557887 NT	4557887 NT	<u>-</u>				.1	.1		1	-	-	W74099.1	6453812 NT	6453812 NT			0.0E+00 BE278730.1	5729817	7729817			
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00 H92741.1	0.0E+00 H92741.1	0.0E+00	0.0E+00/	0.0E+00 AB037521	0.0E+00	0.0E+00 AL162331	0.0E+00	0.0E+00	0.0E+00 AF167441	0.0E+00 L78810.1	0.0E+00 L78810.1	0.0E+00 L78810.1	0.0E+00 AB028970	0.0E+00 AB028970	0.0E+00	0.0E+00 AF086841	0.0E+00	0.0E+00 AB037820	0.0E+00 M74089.1	0.0E+00	0.0E+00	0.0E+00 T50945.1	0.0E+00 T56945.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 M80902.1	0.0E+00 M69197.1	0.0E+00 M69197.1
Expression Signal	1.61	1.62	205	96'0	0.95	1.42	6.63	1.84	99'0	2.1	1.89	1.89	1.28	-	-	4	203	2.03	6.02	224	282	292	3.31	242	242	202	202	122	4.85	4.85	5.55	6.62	6.62
ORF SEQ ID NO:				39908	30568	20567	30508		30569	30676	30579	30580	30581	30592	30593	30594	30595	30596	30602		30619	30620	30621	30624	30625	26174	26175	_	30651	30652	30857	30660	30661
Esan SEQ ID NO:	17876		17679	17880	17880	17881	17682	17683	17885	17690	17693	17693	17694	17703	17703	17703	17704	17704	17709	17720	17725	17725	17728	17730	17730	13244	13244	17733	17757	17757	17763	17768	17786
Probe SEQ ID NO:	4664	4656	4658	4669	4659	4660	4661	4662	4684	4669	4672	4672	4673	4682	4682	4682	4683	4683	4688	989	4704	4704	4705	4709	4709	4711	4711	4713	4737	4737	4743	4748	4748

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Hit Research Top Hit Descriptor	Hamo sapiens cyclophilin-related protein (NKTR) gene, complete cds	Homo espiers KIAA1084 protein (KIAA1084), mRNA	Homo sapiens KIAA0563 gene product (KIAA0563), mRNA	SCN1A=brain type I sodium channel alpha-eubunit [IIIS5 transmembrane region] [human, placenta, Genombo, 1556 nf]	SCM1A=brain type I sodium channel alpha-subunit (IISS transmembrane region) [human, placenta, Genomic, 1658 nt]	Novel human mRNA from chromosome 1, which has similarities to BAT2 genes	Human CYP2D7AP pseudogene for cytochrome P450 2D6	Homo sapiers bromodomain adjacent to zinc finger domain, 28 (BAZ2B), mRNA	Homo septens bromodomain edjecent to zho finger domain, 28 (BAZ2B), mRNA	Homo sapiens alpha-3 type IX collegen (COL9A3) gene, promoter region, and exons 1-28	Homo septens G-protein coupled receptor (RE2), mRNA	Homo sapiens G-protein coupled receptor (RE2), mRNA	Homo sapiens protein 0008 (AD013), mRNA	Homo sapiens protetro0008 (AD013), mRNA	П	Homo septens aldehyda dehydrogenase 12 (ALDH12) mRNA, complete cds	Homo septers HSPC024-tso mRNA, complete cds	Human MHC class I transplantation antigen (hia) gene	Human MHC class I transplantation antigen (hia) gene	Homo sepiens glutsthione S-transferase theta 2 (GSTT2) and glutsthione S-transferase theta 1 (GSTT1)	genes, complete ods	M.fascicularis mRNA for metalloprotesse-like, distribegrin-like protein, IVa	Homo sapiens Williams-Beuren syndrome deletton transcript 9 (WBSCR9) mRNA, complete cds	Mus musculus zinc finger transcription factor Kaiso mRNA, complete cds	Homo septens fragile X mentel retardation 2 (FMR2) mRNA	Homo sepiens actin, alpha, cardiac muscle (ACTC), mRNA		Homo sepiens hypothetical protein DKFZp762E1312 (DKFZp762E1312), mRNA	Homo sepiens hypothetical protein FLJ20073 (FLJ20073), mRNA	Human Tor-C-delta gene, exons 1-4; Tor-V-delta gene, exons 1-2; T-cell receptor alpha (Tor-alpha) gene, J1- J61 segments; and Tor-C-alpha gene, exons 1-4
Top Hit Database Source	Ŋ	IN	LN.	NŢ	Ę	¥	Ŋ.	Į	Ā	N	IN	۲	Į	١	EST_HUMAN	¥	N	M	Ŋ		Ę	¥	Z	¥	Ę	¥	SWISSPROT	노	Ę	攴
Top Hit Acessian No.	AF18411	7882479 NT	7662181 NT	0.0E+00 S71446.1	0.0E+00 S71448.1	0.0E+00 AL096857.1	0.0E+00 X58467.1	7304022 NT	7304922 NT	0.0E+00 AF028801.1		F877700 NT			0.0E+00 AW 444637.1	1	2.1	0.0E+00 J00191.1	0.0E+00 J00191.1		0.0E+00 AF240788.1	0.0E+00 X87205.1	0.0E+00 AF084479.1	0.0E+00 AF097416.1	4503788 NT		P52740	1N 08122480		0.0E+00 M94081.1
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00)	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.05+00	0.0E+00
Expression Signal	224	24.63	29	96:0	98.0	98'0	1.26	0.81	0.81	1.56	1.12	1.12	1.12	1.12	1.49	0.89	1.83	0.68	99.0		4.64	1.6	0.83	1.28	3.04	13.14	1.37	1.65	4.8	1.75
ORF SEQ ID NO:	30888	30668	30868	30676	30678	30681		30691	30692	30701	30704	30706	30707	30708	30740	30749		30778	82738			30788	30790	30794	30782	30794			30801	
SEQ D NO:	47770	17772	17774	17780	17780	17785	17780	17801	17801	17809	17812	17812	17814	17814	17842	17848	17849	17890	17890		17896	17899	17901	17902	17903	17805	17906	17908	17811	17915
Probe SEQ ID NO:	4750	4752	4754	4760	4760	4765	£77	4781	4781	4792	4795	4796	4797	4797	4825	4831	4832	4873	4873		4879	4882	488	4885	4886	4888 888	4889	<u>\$</u>	4894	4898

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Г							_	_									$\overline{}$		_	_	_	_	т		_	1	Т	,	_			
	Top Hit Descriptor	Human Tor-C-delin gene, exons 1-4; Tor-V-delin gene, exons 1-2; T-cell receptor alpha (Tor-alpha) gene, J1- J81 segments; and Tor-C-alpha gene, exons 1-4	H.sepiens MeCP-2 gene	H.sepiens MeCP-2 gene	Homo sepiens chromosome 21 segment HS210080	Home septems TATA box binding protein (TBP) essectated factor, RNA polymensse II, I, 28tD (TAF2I) mRNA	H. sepiens MICA gene	Homo saplens zinc finger protein (KIAA0412) mRNA	Homo saplens mRNA for KIAA1443 protein, partial ods	H.saplens fertilin alpha pseudogene	Homo septiens mRNA for KIAA0633 protein, partial cds	Mus musculus zinc finger protein interacting with K protein 1 (ZIK1), mRNA	Homo sepiens desmoplatén (DPI, DPII) (DSP) mRNA	Homo sapiens gene encoding filensin, exon 8	Homo sapiens zinc-finger DNA-binding protein (HUMHOXY1), mRNA	Homo sepiems mRNA for immunoglobulin kappa light chain, anti-RhD, thered 7	Homo saplens MHC class 1 region	Homo sapiens opioid receptor, delta 1 (OPRD1) mRNA.	Homo sepiens spilce variant AKAP350 mRNA, partial cds	Homo sepiens flavin containing monockygenase 3 (FMO3) gene, excn 7	Homo sapiens COLAA6 gene for e6(N) collagen, exon 44 and partial cds	Homo sapiens famesyl diphosphate synthese (famesyl pyrophosphate synthetese, dimethylethtenstransferese, ceremitransferese) (FDPS) mRNA	qm15005x1 NCI CGAP Lu5 Homo septiens cDNA clone IMAGE:1881921 3' similar to TR:061632 Q61632	EN-2/LACZ FUSION PROTEIN;	Homo saplens glypican 4 (GPC4) mRNA	Homo saptens glypican 4 (GPC4) mRNA	Homo sapiens chromosome 21 segment HS210084	Homo sapiens KIAA0808 gene product (KIAA0806), mRNA	Human ribosomal protein L21 mRNA, complete cds	Human endogenous retrovinal DNA (4-1), complete retrovinal segment	601303729F1 NIH_MGC_21 Hamo septens cDNA done IMAGE:3638118 5	Homo sepiens desmoplaidn (DPI, DPII) (DSP) mRNA
	Top Hit Delaberse Source	Z	Ę	N.	K	Z	Z	Į.	¥	L	N.	IN	NT.	H	Ä		H	K	M	Z	MT	Ę		EST_HUMAN	Ę	Z	Z	N.	N	NT	33.1 EST_HUMAN	LN L
	Top Hit Acession No.				2	5032150 NT		4585642 NT	Į.		+	877848	4758189 NT		7705546 NT	0.0E+00 AJ010442.1		4505508 NT	1			4503684 NT		0.0E+00 AI291129.1	4504082 NT	4504082 NT	AL 1632842	7862319 NT		410976.1	3E408863.1	4758199
	Most Similar (Top) Hit BLAST E Value	0.0E+00 M94081.1	0.0E+00 XB4628.1	0.0E+00 X94628.1	0.0E+00 AL163280,	0.0E+00	0.0E+00 X92841.1	0.0E+00	0.0E+00 AB037884	0.0E+00 Y09232.1	0.0E+00 AB014533	0.0E+00	0.0E+00	0.0E+00 Y16723.1	0.0E+00	0.0E+00	0.0E+00 AF055066.	0.0E+00	0.0E+00 AF091711	0.0E+00(	0.0E+00 D63562.1	0.05+00		0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U14967.1	0.0E+00 M10976.1	0.0E+00 BE408883	0.0E+00
	Expression Signal	1.75	1.48	1.49	238	1.16	1.59	1.32	69.0	1.25	1.17	23	1.49	0.97	1.16	25.08	25.15	1.97	201	0.91	0.99	160		96'0	0.83	0.83	1.88	1.24	6.04	1.06	2.79	3.2
	ORF SEQ ID NO:	30806	80808	30806	30812	30820	30830	30832	30833	30834	30835	30836	30838	30839	30840		30844		30847	<del> -</del>	30857	SORFO			30878	30879	30883	30897		30918		30922
	SEQ ID NO:	17915	L	17917	17820	17929	17838	17940	17941	17942	17943	17944	17946	17947	17948	17949	17952	17964	17865	17867	17967	47060		17976	17887	17987	18005	18010	18022	18032	18034	18037
	Probe SEQ ID NO:	4898	4900	4900	4903	4912	49ZH	4923	4824	4925	4926	4927	4929	4930	4631	4832	4836	4638	4839	494	4962	7507		4961	4972	4072	4990	4885	2008	5018	6020	5023

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Top Hit Descriptor	Homo sapiens keratin 12 (KRT12) gene, complete cds	wp08g08.x1 NCI_CGAP_Kid12 Homo sepiens cDNA clone IMAGE:2464094 3"	Homo sapiens protocadherin alpha 13 (PCDHA13), mRNA	RC3-GN0076-310800-013-b03 GN0076 Homo sapiens cDNA	Homo sepiens polycystic kidney disease-like 2 protein (PKDL2) mRNA, complete cds	Homo sapiens polycystic klohey disease-like 2 protein (PKDL2) mRNA, complete cds	H.sapiens immunoglobulin heavy chain gene, varlable region	H.sapiens immunoglobulin heavy chain gene, variable region	7110c06x1 NCI_CGAP_CLL1 Homo septems cDNA clone IMAGE:3294250 3'	h1898-02.x1 NCI_CGAP_Lu24 Home sepiens cDNA clone IMAGE:3165194 3' similar to SW:Y054_HUMAI P42894 HYPOTHETICAL PROTEIN KIAA0054. ;	601589422F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3943804 5	601589422F1 NIH_MGC_7 Homo saplens cDNA clone IMAGE:3943804 5	Homo s <del>apie</del> ns cDNA c <del>lone</del> IMAGE:1722702 3' N INITIATION FACTOR THID 86 KD SUBUNIT	Homo sapiens eostnophil perceidase (EPP) gene, excn 7	ch88e09.y5 NCI_CQAP_KId5 Homo sepiens cDNA chore IMAGE:1472152 5' similar to gb:M18512 IG HEAVY CHAIN PRECURSOR V4 REGION (HUMAN);	Homo sapiens Sp4 trenscription factor (SP4), mRNA	602118928F1 NIH_MGC_58 Hamo sepiens cDNA clane IMAGE:4276254 6	AU134406 OVARC1 Hamp sepiens CDNA clone OVARC1001894 5"	AU134406 OVARC1 Homo septens cDNA clone OVARC1001894 5	601081488F1 NIH_MGC_10 Hamo septens aDNA dane IMAGE:3447839 5	601105891F1 NIH_MGC_15 Hama sepiens aDNA dane IMAGE:2988310 5	602071372F1 NCI_CGAP_Bm64 Homo sapiens cDNA clone IMAGE:4214272 5	602071372F1 NCI_CGAP_Bm64 Homo saplens aDNA done IMAGE:4214272 6	Homo sepiens Bloom syndrome (BLM) mRNA	Homo sapiens mRNA for KDA0468 protein, partial cds	Homo sapiene mRNA for KIAA0468 protein, partial cds	Homo sapiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds	Homo sepiens ciliary dynein heavy chain 9 (DNAH9) mRNA, complete cds	Human gene for dihydrolipoamide succinyltransferass, complete ods (exon 1-15)	Human gene for dihydrolipoemide succinyltransferase, complete cds (excn 1-15)
Top Hit Database Source	IN	EST_HUMAN	Nī	EST_HUMAN	NT	NT	NT	NT	EST_HUMAN	EST HUMAN	EST HUMAN	EST_HUMAN	EST_HUMAN	N	EST_HUMAN	Z	EST_HUMAN	EST_HUMAN	EST_HUMAN .	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	F	NT	NT	NT	NT	NT	¥
Top Hit Acession No.	NF137286.1	A1834854.1	9256579	3E931080.1	AF182034.1	AF182034.1	(56163.1	(56163.1	3E675498.1	3E220753.1	3E794412.1	3E794412.1	N189142.1	M29908.1	AI791363.1	11421038	3F665982.1	NU134406.1	NU134408.1	3E538857.1	3E292784.1	3F626328.1	3F526328.1	4557364	1	1	.1	AF257737.1		
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 D26535.1
Expression Signal	203	1.19	1.2	40.4	2,83	283	32.34	32.34	6.37	1.72	1.69	1.69	0.68	18.78	0.56	4.26	1.72	0.77	0.77	0.64	1.22	206	. 205	231	1.03	1.03	. 4.25	4.25	1.18	1.18
ORF SEQ ID NO:	31182	31322	31325	31340	31344	31345	31354	31355	31470	31471	31472	31473	31474	31477	31480	31488		31499	31500	31507	31633	31639	31540	33350	31567	31568	31572	31573	31589	31590
SEQ ID NO:	18430	18451	18454	18469	18473	18473	18480	18480	18659	18560	18561	18561	18562	18566	18570	25639	18588	18589	18589	18595	18604	18609	18609	20048	18630	18630	18633	18633	18647	18647
Probe SEQ ID NO:	5324	5346	5340	5364	5368	6368	6376	5376	5457	5458	5459	5450	5460	28	2468	6478	5488	5489	6489	5435	5504	6099	929	5529	5532	5532	5536	5536	5550	5550
	Exon ORF SEQ Expression (Top) Hit Acession Signel No. Signel Value	Exon SEQ ID ID NO: Signel Value No. 203 0.0E+00 AF137286.1 NT	Exon SEQ ID ID NO:         ORF SEQ Signal Signal No:         Expression Signal No:         Top Hit No.         Top Hit Source Source         Top Hit Source         Homo seplens keretin 12 (KRT12) gens, com Mp08g08x1 NCI_CGAP_Kid12 Homo seplens	Exon SEQ ID ID NO:         CRF SEQ Signal NO:         Expression Signal No:         (Top) Hit No.         Top Hit Acession No.         Top Hit No.         Top Hit No.         Top Hit Source           18430         31182         2.03         0.0E+00 AF137286.1         INT           18454         31322         1.19         0.0E+00 AF934954.1         EST HUMAN           18454         31325         1.2         0.0E+00 AF934954.1         EST HUMAN	Exon SEQ ID ID NO:         CRF SEQ Signal ID NO:         Expression Signal Path         Most Straifer (Top) Hit No:         Top Hit Acession No:         Top Hit No:         Top Hit No:         Top Hit Source           18430         31182         2.03         0.06+00 AF137286.1         NT         Source           18451         31322         1.19         0.06+00 AF37286.1         EST HUMAN           18454         31325         1.2         0.06+00 AF3034954.1         EST HUMAN           18469         31340         4.04         0.06+00 BE831080.1         EST HUMAN	Exon SEQ ID ID NO:         CRF SEQ Signal Signal NO:         Expression Signal Value         Top Hit Acession No.         Top	Exon SEQ ID ID NO:         CRF SEQ Signal ID NO:         Expression Signal Paths         Most Similar ICop Hit No:         Top Hit No:         Top Hit No:         Top Hit Database           NO:         Signal Value         Value Value         Value IB451         A.04         A.0737286.1         NT           18450         31322         1.19         0.06+00         AF137286.1         NT           18454         31325         1.2         0.06+00         AB54954.1         EST_HUMAN           18473         31346         4.04         0.06+00         BE531080.1         EST_HUMAN           18473         31346         2.63         0.06+00         AF182034.1         NT           18473         31346         2.63         0.06+00         AF182034.1         NT	Exon NO: 18430         CRF SEQ ID NO: 18451         Expression Signed Points         Most Similar (Top) Hit No: 18430         Top Hit Acession No: 18431         Top Hit Acess	Exon NO: 18430         CRF SEQ ID NO: 18430         Expression Signal Annual         Most Similar ICop) Hit NO: Veltae         Top Hit Acession No: Veltae         Top Hit Acession No: Veltae         Top Hit Acession No: Veltae         Top Hit Acession No: No: No: No: No: No: No: No: No: No:	Exon SEQ ID ID NO:         CRF SEQ Signal Signal Signal Signal NO:         Most Similar ID NO:         Top Hit Acession Value Value Value Source Value NO:         Top Hit Acession No:         SEQ ID ID NO:         Signed Signed Signed Signed ID NO:         Most Similar (Top) Hit Applies Pour Source Value)         Top Hit Applies Pour Source Value         Top Hit Applies Pour Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Supplies State	Exant SEQ ID ID NO:         Signed Signed Signed Signed No:         Most Straight IT op Hit Acession Value No:         Top Hit Acession No:         Top Hit Acessio	Exon NO: 18430         CRF SEQ ID NO: 18430         Expression Signal Aust Straifer         Most Straifer ICop) Hit Veltae         Top Hit Acession No. 18430         Top Hit Aust Straifer         Top Hit Aust Aust Straifer         Top Hit Aust Straifer         Top Hit Aust Aust Straifer         Top Hit Aust Aust Aust Aust Aust Aust Aust Aust	Exon SEQ ID ID NO:         CRF SEQ Signed Signe	Exon SEQ ID ID NO:         CRF SEQ Signal Signa	Exant Signal         Most Similar (Top) Hit No.         Top Hit Acession No.         Top Hit Ace	Exon SEQ ID ID NO:         CRF SEQ Signal Signa	Exam SEQ ID ID NO:         CRF SEQ Signal Signa	Exam SEQ ID ID NO:         CRF SEQ Signal Signal Signal         Most Similar ILAST E Value         Top Hit Accession No:         Top Hit Source           18450 18450 18451 18451 18450 18452 18452 18452 18450 1	Ewan SEQ ID NO:         Signal Si	Ewan SEQ ID NO:         Signal Si	Ewn SEQ ID         ORF SEQ         Expression Signal         Top Hit Top Hit Accession No.         Top Hit Accession Source Natabase         Top Hit Accession No.         Top Hit Accession Source Natabase         Top Hit Accession No.         Database Source Natabase         Database Source Natabase         Top Hit Accession No.         Database Source Natabase         Database Source Natabase         Top Hit Accession No.         Database Source Natabase         Database Source Natabase         Top Hit Accession No.         Database Source Natabase         Database Source Natabase         Top Hit Accession No.         Database Source Natabase         Database Source 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Ht Acession (Top) Htt Top Ht Acession (Top) Htt Top Ht Acession (Top) Htt Top Ht Acession (Top) Htt Top Ht Acession (Top) Htt Top Ht Acession (Top) Htt Top Ht Acession (Top) Htt Top Ht Acession (Top) Htt Top Ht Acession (Top) Htt Top Ht Acession (Top Htt Aces	Ewn (ORF SEQ ID)         CAST Sequel (Top) Htt (Top) Htt (Top) Htt Accession (Top) Htt (Top) Htt (Top Htt Accession (Top) Htt (Top) Htt (Top Htt Accession (Top) Htt (Top) Htt (Top Htt Accession (Top) Htt (Top Htt Accession (Top) Htt (Top Htt Accession (Top) Htt (Top Htt Accession (Top) Htt (Top Htt Accession (Top) Htt (Top Htt Accession (Top Htt Accession (Top Htt Accession (Top Htt Accession (Top Htt Accession (Top Htt Accession (Top Htt Accession (Top Htt Accession (Top Htt (Top Htt Accession (Top Htt Accession (Top Htt (Top Htt Accession (Top Htt	Expn SEQ ID ID NO:         CRF SEQ Signal Signa	Expn NO:         ORF SEQ Segred         Expression Signal         (Top) Ht Pates         Most Similar Value         Top Hit No.         Top Hit Source           18430         31182         2.03         0.0E+00         AF137286.1         NT           18454         31322         1.19         0.0E+00         AF137286.1         NT           18454         31322         1.19         0.0E+00         AF137286.1         NT           18454         31325         1.19         0.0E+00         AF137286.1         NT           18473         31344         2.83         0.0E+00         AF182034.1         NT           18480         31354         2.23         0.0E+00         AF182034.1         NT           18473         31347         2.23         0.0E+00         AF182034.1         NT           18560         31477         1.72         0.0E+00         BE75408.1         NT           18561         31477         1.69         0.0E+00         BE75408.1         EST_HUMAN           18562         31477         1.69         0.0E+00         BE75404.2         EST_HUMAN           18563         31477         1.69         0.0E+00         BE75404.2         EST_HUMAN           18563	Expn NO:         ORF SEQ Signal         Expression Signal         (Top) Hit Plates         Most Similar Value         Top Hit Source         Top Hit Source           18430         31182         2.03         0.05+00         AF137286.1         NT           18451         31322         1.19         0.05+00         AF137286.1         NT           18454         31322         1.19         0.05+00         BE031080.1         EST HUMAN           18459         31324         2.03         0.05+00         AF182034.1         NT           18469         31344         2.83         0.05+00         AF182034.1         NT           18480         31354         32.34         0.05+00         AF182034.1         NT           1856         31471         1.72         0.05+00         BE075481.2         EST HUMAN           18560         31472         1.69         0.05+00         BE78441.2         EST HUMAN           18561         31474         1.28         0.05+00         BE78441.2         EST HUMAN           18562         31474         1.28         0.05+00         BE78441.2         EST HUMAN           18563         31477         1.87         0.05+00         BE78442.1         EST HUMAN	

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Single Exon Probes Expressed in Bone Marrow

Single Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	Homo sepiens difactory receptor, family 2, subfamily F, member 1 (ORZF1), mRNA	H.sepiens mRNA for myosin	HUM418005B Ckortisch fruman fetal brain potyA+ mRNA (#6535) Homo saplens cDNA clone GEN-418005	THE THE THE THE THE THE THE THE THE THE	HUM418D0553 Clontech human fetal brain polyA+ mfNA (#6535) Homo sapiens cLNA clone GEN-418L05 5*	042322F1 NCI_CGAP_Bm67 Homo saplens cDNA clone IMAGE:4179988 57	602042322F1 NCL_CGAP_Bm67 Hamo sapiens cDNA clane IMAGE:4179688 57	601897658F1 NIH_MGC_19 Homo sepiens cDNA clone IMAGE-4126815 5	Homo sapiens calcium chennel, voltage-dependent, alpha 1G subunit (CACNA1G), mRNA	wo85b02.x1 NCI_CGAP_Kd411 Homo sepiens cDNA clone IMAGE:2463051 3° stmiler to TR:O75064 075054 KIAA0469 PROTEIN ;	wo95k02.x1 NCI_CGAP_Kid11 Homo sapiens cDNA clone IMAGE:2463051 3's smilar to TR:075054	O/5034 KIAAU490 PKO IEIIN;	1002027   Nin MOO_10 Fully adjects Colon date in Colono Co	MRO-SN0037-030400-001-ti07 SN0037 Homo septens CDNA	601105281F1 NIH_MGC_15 Homo septens cDNA clone IMAGE-2887803 5	601105281F1 NIH_MGC_15 Homo septens cDNA clone IMAGE:2887903 6	Homo sepiens difectory receptor, family 2, subfamily F, member 1 (OR2F1), mRNA	Homo sepiens difectory receptor, family 2, subfamily F, member 1 (OR2F1), mRNA	Homo sepiens very long-chain ecyl-CoA synthetase homolog 1 mRNA, complete cds	Homo sapiens very long-chain acyl-CoA synthetase homotog 1 mRNA, complate cots	Homo sepiens Surf-5 and Surf-6 genes	Homo sepiens Surf-5 and Surf-8 genes	qf84g10.x1 Soares_placenta_8tx0evecks_2NbHP8tx6W Homo saptens cDNA clone IMAGE:1757730 3' strriter to SW:CADC_HUMAN P55289 BRAIN-CADHERIN PRECURSOR;	EST02238 Fetal brain, Stratagene (cat#838206) Homo sapiens cDNA clone HFBCA48	UHIF-BL0-edh-d-02-0-ULr1 NIH_MGC_37 Hamo saptens cDNA clane IMAGE:3061658 5	H.saplens isoform 1 gene for L-type calcium channel, exon 14 achd 15	PM3-CT0263-091269-007-N05 CT0263 Homo saplens cDNA	PM3-CT0263-091289-007-h05 CT0263 Homo sapiens cDNA	PMR-CT0263-091289-007-h05 CT0263 Hamp sepiens dDNA	Homo sepiens mRNA for neureain II, complete cots	Homo sapiens mRNA for neureatn II, complete cds
xon Probes Ext	Top Hit Database Source		NT H.		ESI HUMAN 3	EST_HUMAN 5"	ī	EST_HUMAN 60	T_HUMAN		EST HUMAN 07	Ť	EST HUMAN O	7	EST HUMAN ME		EST HUMAN 60			E E	Y L		N T	FST HUMAN ST	EST HUMAN ES		F	EST_HUMAN PA	EST_HUMAN PA	T_HUMAN		¥
Single	Top Hit Acession No.	11420819 NT	238133.1		0.0E+00 D61664.1	0.0E+00 D61584.1	0.0E+00 BF529931.1			11434392 NT	0.0E+00 Al928181.1		0.0E+00 Al928181.1	0.0E+00 BE260/77.1	0.0E+00 AW867318.1	0.0E+00 BE292889.1	0.0E+00 BE292889.1	11420819 NT	11420819 NT	0.0E+00 AF084254.1	0.0E+00 AF064254.1	0.0E+00 AJ224639.1	0.0E+00 A.1224639.1	0.0E+00 AI198515.1	0.0E+00 M85718.1	0.0E+00 AW405472.1	0.0E+00 Z28269.1	0.0E+00 AW361877.1	0.0E+00 AW361877.1	0.0E+00 AW361877.1	0.0E+00 AB035268.1	0.0E+00 AB035288.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00		0.0E+00	0.0=+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	1.8	1.55		0.87	0.87	3.21	321	224	3.88	0.57		0.67	1.24	7.42	241	241	1.79	1.79	4.3	4.3	288	2.98	. 0.7	7.48	5.85	1.10	1.87	1.87	1.87	0.64	0.64
	ORF SEQ ID NO:	31623	31629		31655	31656	31660	31661	31065	31863	31881		34882	31905		31832	31933	31955	31956	31964	31965	31975	31976	32007	32013	32022	L		32043	32044		32048
	Exam SEQ ID NO:	18683	L.	L	18687	18687	18890	18690	1	18706	I		18722	18740	18749	18783	18783	18784	18781	18782	18792	18799	18789	18829	L	L		1_	L	18863		18866
	Probe SEQ ID NO:	29999	5572		<b>289</b>	658	5594	1653	2599	5610	9299		9238	448	5653	9999	2988 2988	2689	6899	2697	2697	5704	5704	5736	573	5748	5759	5771	577.1	5771	5774	5774

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Single Exon Probes Expressed in Bone Marrow

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Table 4
Single Exon Probes Expressed in Bone Marrow

Most Similar (Top) Hit Top Hit Acession Signal BLASTE No. Source	0.67 0.0E+00 BF031742.1 EST_HUMAN	32337 0.67 0.0E+00 BF031742.1 EST_HUMAN 801558060F1 NIH_MGC_58 Home sepiens cDNA done IMAGE:3827775 5	32352 1.27 0.0E+00 AW470846.1 EST_HUMAN Q9Z1N3 MYOSIN-RHOGAP PROTEIN, MYR 7.;	0.95 0.0E+00 BF165670.1 EST_HUMAN	0.95 0.0E+00 BF155670.1 EST_HUMAN	1.38 0.0E+00 W33089.1 EST_HUMAN	EST_HUMAN		1 EST HUMAN	2.31 0.0E+00 BE889610.1 EST_HUMAN	32388 0.53 0.0E+00   BE386573.1   EST_HUMAN   601286320F1 NIH_MGC_44 Homo captens cDNA clame IMAGE:3913085 6	0.63 0.0E+00 AW752848.1  EST_HUMAN	11433071 NT	1.48 0.0E+00 11433071 NT	1 EST_HUMAN	32413 1.12 0.0E+00 BE901608.1 EST_HUMAN   601677735F1 NIH_MGC_Z1 Home expiens dDNA done IMAGE:3860200 5	0.0E+00 BE901608.1   EST_HUMAN	32431 9.98 0.0E+00 97898986 INT Homo sapiens potassium voltage-gated channel, Shal-related eubfantily, member 2 (KCND2), mRNA	32434 1.43 0.0E+00/AA183508.1 EST_HUMAN_SW:TYOS_HUMAN_P4284 HTPOTHETICAL_MYELOUD CELL LINE FYOTEN 3.	32435 1.43 0.0E+00 AA193606.1 EST_HUMAN SW:YY05_HUMAN P42694 HYPOTHETICAL MYELOID CELL LINE PROTEIN 6.;	NT	NT	0.54 0.0E+00 AW853983.1 EST_HUMAN	0.54 0.0E+00 AW853983.1 EST_HUMAN	1.14 0.0E+00 BE268330.1 EST_HUMAN	1.24 0.0E+00 BE156581.1 EST_HUMAN	0.63 0.0E+00 M38107.1 NT	1 EST_HUMAN	1.19 0.0E+00 AU137772.1 EST HUMAN	32590 3.66 0.0E+00 U45982.1 NT Human G protein-coupled receptor GPR-8-6 gene, comprese cas
Expression Signal								2.28																						
ORF SEQ.				ĺ	L			181							L					19209 32435		19230 32461	Ĺ	<u>ب</u>	L	18281 32514	19291 32524			19354 32590
B Exam	47 19128	6047 19128				19/60		19181	19164	19170		19188	12 19190	1	13 19191	6113 19191	6H13 1949H	6129 25654	6132 19209	eri32 192	6165 19230		L .	L	L	┖	1_			6282 193
Probe SEQ ID NO:	6047	8	6500	6072	6072	9080	0809	<b>608</b>	<b>608</b>	908 P	6093	6109	6112	6112	6113	5	2	_ E	<u>۾</u>	2	8	8	5	8	6	8	8	8	8	8

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Single Exon Probes Expressed in Bone Marrow

Ingle Exoll Flobes Expressed in Bolie Mail OW	Top Hit Descriptor	2481403.r1 Stratagene hNT neuron (#837233) Homo sapiens cDNA clone IMAGE:648005 6' similer to TR:0854195 G854195 LEUKOCYTE SURFACE PROTEIN.;	Homo septems xykosytransferase II (XT2), mRNA	Homo sapiens xylosytransferase II (XT2), mRNA	Human beta2-chimaerin mRNA, complete cds	Homo sapiens carchoembryonic antigen-related cell adhesion molecule 8 (CEACAMB), mRNA	601109632F1 NIH_MGC_16 Homo septens cDNA clone IMAGE:3350622 5	#91f10.x1 NCI_CGAP_Pr28 Homo sapiens cDNA clone IMAGE:2248939 3' similar to TR:Q14839 Q14839 MI-2 PROTEIN.;	Human anion exchanger (AE1) gene, excns 1-20	601587971F1 NIH_MGC_7 Homo captens cDNA clone IMAGE:3942329 5	601587971F1 NIH_MGC_7 Hamo septens cDNA dane IMAGE:3942329 5	qi50b11.x1 NCI_CGAP_Bm25 Homo sepiens cDNA clone IMAGE:1859901 3' similar to TR:Q12838 Q12838   TFIIIC ALPHA SUBUNIT;	q50b11.x1 NCL_CGAP_Bm25 Homo sepiens cDNA done IMAGE:18599013' similar to TR.Q12839 Q12838 TFIIIC AI PHA SURI INIT:	MRO-HT0923-220800-102-b05 HT0923 Homo serviens cDNA	Homo septiens peptide transporter 3 (LOC51286), mRNA	Human mRNA for alpha mannosidase II Isozyme, complete cds	IL3-HT0062-010909-014-A04 HT0062 Hamp sepiens cDNA	7602c12x1 NCI_CGAP_Lu24 Homo septens cDNA clone IMAGE:3281302 3' similar to SW:Y176_HUMAN Q14681 HYPOTHETICAL PROTEIN KIAA0178 :	Homo sepiens KJAA0285 gene product (KJAA0285), mRNA	AV650020 GLC Homo sepiens cDNA clone GLCCAD09 3'	UI-HF-BLO-ecc-g-12-0-UI.st NIH_MGC_37 Hamo septens aDNA dane IMAGE:3058761 3'	1/27b03.r1 Soares placenta Nb2HP Homo saplens cDNA clone (MAGE:149833 57	Homo sapiens amiloride-sensitive cation channel 1, neuronal (degenerin) (ACCN1), mRNA	Human gene for the light and heavy chains of myeloperoxidase	as14e07.r1 Scares_NHIMPu_S1 Homo sapiens cDNA clone IMAGE:813252 57	Z57408-X1 NCI_CGAP_0V35 Homo sepiens aDNA done IMAGE-222258173' similer to SW:NTCS_HUMAN PS3796 SODIUM- AND CHLORIDE-DEPENDENT CREATINE TRANSPORTER 2;	6013063368F1 NIH_MGC_39 Homo septens cDNA clone IMAGE:3639616 5	601305368F1 NIH_MGC_39 Homo capiens cDNA done IMAGE:3639616 5	MR0-BT0264-221199-002-111 BT0264 Homo sepiens cDNA
AUI LIODES	Top Hit Database Source	EST_HUMAN	NT	LN	NT	NT	EST_HUMAN	EST_HUMAN	Z	EST_HUMAN	EST_HUMAN	EST_HUMAN	DOT HIMAN	EST HUMAN	Z	IN	EST_HUMAN	EST HUMAN	Į.	EST HUMAN	EST_HUMAN	EST_HUMAN	NT	NT	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN
	Top Hit Acession No.	0.0E+00 AA204740.1	11545913 NT	11545913 NT		11428367 NT	0.0E+00 BE257173.1	-		5.1	0.0E+00 BE797385.1	4)198025.1	N14080725 4	0.0E+00 RF367128.1	11435830 NT		0.0E+00 AW178142.1	0.0E+00 BE674544.1	TR82039 NT		0.0E+00 AW575588.1	101255.1	11428283 NT	(15377.1	1A456375.1	0.0E+00 AI612841.1	0.0E+00 BE735989.1	0.0E+00 BE735989.1	0.0E+00 AW748596.1
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00	0.0E+00	0.0E+00	0.0E+00 U07223.1	0.0E+00	0.0E+00	0.0E+00 AI686048.	0.0E+00 L35030.1	0.0E+00	0.0E+00	0.0E+00 Al198025.	0 OF ±00 A 11080-25	0.0F+00	0.0E+00	0.0E+00 D55649.1	0.0E+00	0.05+00	0.0E+00	0.0E+00 AV650020.	0.0E+00/	0.0E+00 H01255.1	0.0E+00	0.0E+00 X15377.1	0.0E+00 AA456375	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	4.53	4.05	4.05	0.58	8.33	3.68	0.97	128	1.29	1.28	0.65	, re	3	1,71	0.79	-	0.74	0.88	8.48	3.68	5.02	1.18	8.09	0.72	1.23	3.93	3.83	0.78
	ORF SEQ ID NO:	32822	82928	32624	32842	32659	32684		32683	32091	32692	32707	802208	32710	32720	32729	32761	32788	32774	- 	32786	32798	32809	32814	32816	32817	32823	32824	32830
	Exam SEQ ID NO:	18382	19383	19383	19401	19418	19422	19437	1944	19450	19450	19461	10484	10464	19472	19482	19498	19518	19523	18637	19548	19549	19558	19562	19581	19565	19571	19571	19575
	Probe SEQ ID NO:	6311	8312	6312	6831	6349	සෙස	8383	8373	6382	8382	88	88	888	200	8414	6432	6453	8458	6472	6481	8484	6483	6498	9500	6501	6507	6507	6511

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ngie Exon Probes Expressed in Bone Marrow	Top Hit Descriptor	MR0-BT0264-221199-002-f11 BT0284 Homo sepiens cDNA	Homo sepiens Achaete-Scute homologue 2 (ASCL2) gene, complete cds	AU119245 HEMBA1 Homo sapiens cDNA clone HEMBA1005360 5	AU118245 HEMBA1 Hamo sapiens cDNA clone HEMBA1005380 5		H.sapiens germline immunoglobulin heavy chain, variable region, (13-2)	we25c07.x1 NCI_CGAP_GC8 Homo septens cDNA clone IMAGE:2498220 3"	601105344F1 NIH_MGC_15 Hamo septens cDNA clane IMAGE:2887863 5								Homo sepiens low voltage-activated T-type calcium channel alpha 1G spitoe variant CavT.1a (CACNA1G)	mRNA, complete cds	Homo sepiens tuberin (TSC2) gene, exons 38, 39, 40 and 41	Homo eapiens transformation/transcription domain-essociated protein (TRRAP), mRNA	au86h08.y1 Schneider fetal brain 00004 Homo sapiens cDNA clone IMAGE:2784159 5' stritiar to TR:015390 015390 GT24. [3] TR:043840 TR:043206;	П	Т		П	7							Human antigen CU27 gene, exons 1-2
xon Probes	Top Hit Database Source	EST_HUMAN	LN	<b>EST_HUMAN</b>	EST HUMAN	<b>EST_HUMAN</b>	NT	EST HUMAN	EST_HUMAN	EST_HUMAN	EST HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>		M	NT	۲N	EST HUMAN		EST HUMAN	EST HUMAN		EST_HUMAN	<b>EST_HUMAN</b>	<b>EST_HUMAN</b>	EST HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	Z
Single	Top Hit Acession No.	0.0E+00 AW748596.1	0.0E+00 U77629.1	0.0E+00 AU119245.1	0.0E+00 AU118245.1	0.0E+00 BE780453.1	0.0E+00 X82217.1	0.0E+00 AI989483.1	0.0E+00 BE293153.1	0.0E+00 BE283153.1	0.0E+00 BE867657.1	0.0E+00 AW406348.1	0.0E+00 AW406348.1	0.0E+00 AV71944.1	0.0E+00 BE898340.1	0.0E+00 BE898340.1		0.0E+00 AF190880.1	0.0E+00 L48548.1	11420658 NT	0.0E+00 AW163840.1		0.0E+00 AW163640.1	0.0E+00 W37163.1		0.0E+00 W37163.1	0.0E+00 BE794853.1	0.0E+00 BE799873.1	0.0E+00 BE787855.1	0.0E+00 BE767855.1	0.0E+00 BE889813.1	0.0E+00 BE889813.1	0.0E+00 [L24493.1
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	· 0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.05+00		0.0E+00	0.05+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	0.78	29'0	28.27	28.27	0.88	1.02	1.64	1.78	1.76	0.71	12	12	0.89	1.27	1.27		218	0.64	1.11	3.24		3.24	0.85		0.85	1.19	4.81	3.07	3.07	7.15	7.15	5.42
	ORF SEQ ID NO:	32831		32833	32834	32840	32841	32862	32873	32874	32912	32962	32963	32994	33001	33002		33005	33008	33009	33016		33017	33020		33021		33048		33050	33053	Н	33062
Ì	Exan SEQ ID NO:	19575	19576	L	19578	19582	19583	19589	19612	19612	1964	1_	L	١.	19726		L.	19729	19732	L	L	1_	19741	19745	L	19746	19762	Ł	L	19770	19774	LI	19783
	Probe SEQ ID NO:	6511	6512	6514	9514	6219	6620	6537	6551	6651	6584	98299	9828	988	6999	8888		6672	6675	7189	788		<b>688</b>	888		8888	90/9	6713	6714	11.79	6718	6718	6727

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Table 4
Single Exon Probes Expressed in Bone Marrow

Homo septers chronosome 21 segment HS2I CD04 Homo septers chronosome 21 segment HS2I CD04 Homo septers chronosome 21 segment HS2I CD04 Homo septers chronosome 21 segment HS2I CD04 Homo septers chronosome 21 segment HS2I CD04 Homo septers about the pelludid gly-coprolate 34 (sperm receiptor) (T2734), mRN4 Homo septers and inger bronosome 31 segment HS2I CD04 Homo septers and inger bronosome 31 segment HS2I CD04 Homo septers and inger bronosome 32 segment HS2I CD04 Homo septers and inger bronosome 32 segment HS2I CD04 Homo septers both chronosome 52 segment HS2I CD04 Homo septers clute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 Homo septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 Homo septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 Homo septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 Homo septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 HOMO septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 HOMO septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 HOMO septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 HOMO septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 HOMO septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 HOMO septers sclute carrier family 1 (high affirity separatel/glutamate transporter), member 6 (SLC1A6), mRN4 HOMO Septers SU00-001-140 (NI07121 Homo septers cDNA HOMO SEPTERTIN : HE-SU0024-S20789-001-801 ST0024 Homo septers cDNA HOMO Septers SU08-001-801 ST0024 Homo septers cDNA Homo septers CD8 affiger (CD6), mRN4 Homo septers CD8 affiger (CD6), mRN4 Homo septers CD8 aff	TOP HE Detabase Source	Top Hit Acession No. No. No. No. AL168204.2 AL168204.2 AL168204.2 AL168204.2 AL168204.2 AL168204.1 AM606430.1 BE926876.1 BE926876.1 BE926876.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 BE701434.1 AL1436236.1 AL1436623.1 AL1436623.1 AL04243.1 X50163.1	Most Similar (Tap) Hit BLAST E Value 0.06+00 0	Signal Si	33078 33078 33078 33078 33078 33078 33189 33171 33174 33189 33174 33189 33222 33222 33222 33260 33604 33604	19706 19807 19807 19807 19808 19800	8EQ ID NO: 0732 6732 6732 6732 6773 6774 6777 6777 6777 6808 6808 6808 6808 6808
cortodoth x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo septens cDNA clone IMAGE:1565761 3' sémiler to TR-Q26623 Q26623 TEKTIN C1.;	EST_HUMAN	0.0E+00 A1168270.1	0.0E+00 A1168270.1	0.84	33443	20128	7002
	CO. CINETA		V.UL.'VV			_1	735/
TR-026623 028623 TEKTIN C1.;	EST HUMAN		0.0E+00				7002
TR-028623 Q28623 TEKTIN C1.;	EST HUMAN		0.0E+00				7002
collodofuci Sogres_NSF_F8_9W_UI_PA_F_S1 Homo septens cuna crore tima General Sogres_1555751 Signification							
Industry Illing in the control of th	1		V.VL. VV				255
11 and been margings the heaves obtain neare serviceles services	L		A DELOG			L	
DKFZp434D2021_r1 434 (synonym: htes3) Homo sapiens cDNA ctone DKFZp434D2021 5	EST_HUMAN		0.0E+00	1.01		L	8889
Homo espients CD6 entigen (CD6), mRNA	뉟	11435628	0.0E+00	1.98			6984
L3-5 (0024-230/88-001-601 5 ) 0024 Homo sapans curva	EST_HUMAN		0.0E+00	6.95			200
LSS (WZ4-20/se-U01-90) S (WZ4-20/se-U01-90)	ES TUMPA		0.0E+02	O.S.O		1	583
= 2 CTM24 220700 ANA BM STM24 Home contens CONA	FOT LIMAN		20.0			1	
TEKTIN.:	EST HUMAN		0.0E+00				8969
7e49b07.x1 NCI_CGAP_GC8 Homo septens cDNA done IMAGE:3222037 3' stmiller to TR-092285 092286							
Humen selivery percedase mRNA, complete cds	¥		0.0E+00	1.04			6954
O THE PROPERTY OF THE PROPERTY	NAMOL I CH		0.00	17.0		1	3
7788e03 rf Strategene Hel a cell s3 037216 Homo serviers CDNA clone IMAGE:627202 등	EST HIMAN		0.05-500		Ĺ	L	6043
L5-GN0032-180900-145-d07 GN0032 Homo sapiens cDNA	EST_HUMAN		0.0E+00			L	808
PMS-HT0520-230200-002-c08 HT0520 Homo septems cDNA	EST_HUMAN		0.0E+00				990
NCC-DINUTZI-ZBUSUD-USZ-BU4 DNUTZI MOIID SEPERE GUNA	TO HOMEN		0.05-+00				6873
		1	0.05		1	┙	28
RCD-BM0121-280300-032-e04 BN0121 Homo septems cDNA	FST HIMAN		OPTOU			L	2728
CM0-HT0143-270889-062-d09 HT0143 Homo sapters cDNA	EST HUMAN	Į	0.0E+00	1.48		L	8851
PM2-NN0174-260700-001-h10 NN0174 Homo septems cDNA	EST_HUMAN	-	0.0E+00				6828
PM2-NND174-280700-001-h10 NND174 Homo septiens cDNA	EST_HUMAN	1	0.0E+00	0.64			6828
AU125828 NT2RM4 Hano septens cDNA dane NT2RM4002430 5	EST_HUMAN	1	0.0E+00	2.04			6826
IMENA	¥	11426768	0.0E+00				8089
Homo sapiens solute carrier family ( high affinity aspartate/glutamate trensporter), member 6 (SLC1A6),							
INFINA	F	11428758	0.0E+00				6808
Homo sapiens solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6 (SLC1A6),							
QV3-BN0047-300800-278-c06 BN0047 Homo capters cDNA	EST_HUMAN		0.0E+00				. 6775
601885317F1 NIH_MGC_57 Home septems cDNA ctone IMAGE:4103683 5*	EST_HUMAN		0.0E+00	1.13			6777
zw52c03.r1 Soares_total_fetus_NbZHFB_9w Homo septems cDNA clone IMAGE:773668 5	EST HUMAN		0.0E+00	3.88	ļ		6757
UHHF-BN0-sma-c-01-0-ULA NIH_MGC_50 Homo sapiens cDNA clone IMAGE:3081217 5	EST_HUMAN	Ŧ.	0.0E+00				6755
Homo sapiens zinc finger homeodomain protein (A18F1-A) mRNA, complete cas			0.0E+00				6743
		-	0.0 Dr. 100			1	4/6
#31ff1.xf NCI_CCAP_GC8 Hamo septens adNA dane MAGE-2242413 3" semiler to SW:WN13_MOUSE_ P47553 WNT.3 PROTTO ONCOGENE PROTTEIN PRECEITS OR .	ECT LINAN			•			27.44
Homo sapiens zona pellucida glycoprotein 34 (sperm receptor) (ZP3A), mfNA	뉟		0.0E+00				8738
Homo eachers chromosome 21 segment HS210004	뉟		0.0E+00				6732
Truité equate d'autres de seguines. El seguines en l'Actionne	2		0.05+55		ľ	1	26/0
Home serions chromosome 21 serione HS21C004	5	Ī	001300			L	600
and the Constitution	Source	ğ	BLAST E Value	Signal	Ö Q	S S	S S
Two HB Describing	Top Hit	Top Hit Acessian	Most Similar (Top) Hit	Expression	ORF SEQ	E E	P P C C
		:					

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SEQ D SEQ D NO. D

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p Hit Acessian Top Hit Descriptor No. Source	1 EST_HUMAN	569905.1 [EST_HUMAN   602185852F1 NIH_MGC_45 Hamo sepiens cDNA clane IMAGE:4310078 5"	INT	1 NT	NT	1 EST_HUMAN	EST_HUMAN	EST_HUMAN	I EST_HUMAN	306996.1 EST_HUMAN 601889823F1 NIH_MGC_17 Homo sapiens cDNA clone IMAGE:4123948 5	1302.1 NT Human chromosome 16 creatine transporter (SLC&A8) and (CDM) paratogous genes, complete cds	NT Novel human gene mapping to chomosome 13	028993.1 NT Homo sepiens mRNA for vascular cartherin-2, complete cds	028893.1. NT Homo saplens mRNA for vascular cedharin-2, complete cds	1 EST_HUMAN	1 EST_HUMAN	1 EST HUMAN	254103.1   EST_HUMAN   601113958F1 NIH_MGC_16 Homo sepiens cDNA clone IMAGE:3354588 5	IM	1 MT	1 NT	1 EST_HUMAN	11428081 NT Homo sepiers membrane protein CH1 (CH1), mRNA	EST_HUMAN	58839 NT	EST_HUMAN	1 EST_HUMAN	1. NT	1 NT	1 EST_HUMAN	1 EST_HUMAN	36699 NT	11436699[NT Homo sepiens vitamin D (1,25-dhydroxyvitamin D3) receptor (VDR), mRNA
															HUMAN								۲	T HUMAN						HUMAN	HUMAN		
Top Hit Acessian No.	0.0E+00 BE762770.1	0.0E+00 BF569905.1	0.0E+00 A.J404468.1	0.0E+00 AJ404468.1	0.0E+00 L01978.1	0.0E+00 AW502362.1	0.0E+00 AW502362.1	0.0E+00 AL039581.1	0.0E+00 AL039581.1	0.0E+00 BF306996.1	0.0E+00 U41302.1	0.0E+00 AL049784.1	0.0E+00 AB026893.1	0.0E+00 AB026893.1	0.0E+00 AU137738.1	0.0E+00 AU137738.1	0.0E+00 AW954806.1	0.0E+00 BE254103.1	0.0E+00 L01973.1	0.0E+00 AB007835.1	0.0E+00 AB007835.1	0.0E+00 AU133213.1	28081	0.0E+00 AU143708.1	4758839	0.0E+00 BE891285.1	0.0E+00 BE891286.1	0.0E+00 AF137286.1	0.0E+00 AF137286.1	0.0E+00 BE747231.1	0.0E+00 BE747231.1	114	11436699
Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	0.67	239	0.68	0.68	4.32	1.49	1.49	0.93	0.93	5.15	2.16	12	0.69	0.69	0.68	0.68	1.23	1.14	1.23	0.68	0.68	1.38	1	224	96'0	1.34	1.34	228	2.28	0.7	0.7	4.41	4.41
ORF SEQ ID NO:		89588	33555							33583	33288	33312	33627	33628	33634	33635			33654	33664	33665	33672	33692		33697	33706	33707	31181	31182	33736			33752
SEQ BY	20216	20222	20224	20224	20228			20240		20249	20254	20010	20286	20286	20201	20281	20297	20298	20311	20318	20318	20324	20340	20345	20346	20355	20355	18430	18430	20386	20386	20399	20399
Probe SEQ ID NO:	7182	7198	7200	7200	7204	7209	200	7218	7218	7227	222	7276	7815	7316	7320	7320	7326	7327	7340	7348	7348	7354	7370	7375	7376	7385	7385	7407	7407	7419	7419	7432	7432

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Single Exon Probes Expressed in Bone Marrow

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Table 4
Single Exon Probes Expressed in Bone Marrow

					,		
Probe SEQ ID	Esan SEO ID	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E	Top Hit Acessian No.	Top Hit Database	Tap Hit Descriptor
<u>i</u>	į			Value			
7835		33958	0.5	0.0E+00	0.0E+00 AW 402542.1	EST_HUMAN	UHIF-BK0-ass-g-07-0-UI.rt NIH_MGC_36 Homo septens dDNA clone IMAGE:3054924 5
7883	20613		1.3	0.0E+00	0.0E+00 R87430.1	EST_HUMAN	ym88h10.r1 Soares adult brain N2b4HB557 Homo sapters cDNA clans INAGE:168051 5
7854	20614	33978	2.42	0.0E+00	0.0E+00 AW239328.1	EST HUMAN	2638505.71 NCL_CGAP_LL31 Homo sapiens cDNA clone IMAGE:2578640 5' similier to TR:Q08050 Q08050 HNP3FH TRANSCRIPTION FACTOR GENESIS;
7878		L	121	0.0E+00	0.0E+00 AU117553.1	EST_HUMAN	AU117553 HEMBA1 Hamo septiens aDNA dane HEMBA1001681 5
7878		33998	3.92	0.0E+00	11427135 NT	¥	Homo sepiens glucagon-like peptide 2 receptor (GLP2R), mRNA
7897			1.76	0.0E+00	0.0E+00 AA211663.1	EST HUMAN	Zn56f02.r1 Strategene muscle 937209 Homo sepiens dDNA olone IMAGE:562203 & similer to gb:X03740 MYOSIN HEAVY CHAIN, SKELETAL MUSCLE (HUMAN);
7703		34024	0.68	0.0E+00	0.0E+00 BF228235.1	EST_HUMAN	MR0-AND083-270900-004-f07 AND083 Homo septems cDNA
7710		34034	0.62	0.0E+00	0.0E+00 AW898499.1	EST_HUMAN	QV3-BN0046-220300-129-604 BN0046 Homo sapiens cDNA
7713	L	34037	0.81	0.0E+00	0.0E+00 L32832.1	NT	Homo septens zinc finger homeodomain protein (ATBF1-A) mRNA, complete cds
7740	20804	34058	1.17	0.0E+00	0.0E+00 BF30698.1	EST_HUMAN	601889823F1 NIH_MGC_17 Hama septiens cDNA clane IMAGE:4123948 5
7740		34059	1.17	0.0E+00	0.0E+00 BF30698.1	<b>EST_HUMAN</b>	801880823F1 NIH_MGC_17 Homo septens cDNA clone IMAGE:4123948 5
7750	20703	34071	1.24	0.0E+00	0.0E+00 AU118767.1	EST_HUMAN	AU118767 HEMBA1 Homo sapiens cDNA clone HEMBA1004314 6
7782	20735	34107	0.49	0.0E+00	0.0E+00 AW488551.1	EST_HUMAN	UHHF-BR0p-ejf-e-10-0-ULr1 NIH_MGC_52 Hamo sepiens cDNA clane IMAGE:3074778 5
7809	20768	34132	0.64	0.0E+00	0.0E+00 AB002355.1	Nī	Human mRNA for KIAA0357 gene, partial cds
7810	20759	34133	4.06	0.0E+00	0.0E+00 AI752561.1	EST_HUMAN	cn17d05x1 Normal Human Trabecular Bone Cells Homo sapiens cDNA clone NHTBC_cn17d05 random
7810	20759	34134	4.06	0.0E+00	0.0E+00 AI752561.1	EST HUMAN	cn17d05.x1 Normal Human Tirabecular Bone Cells Homo sapiens cDNA clone NHTBC_cn17d05 random
7879	20823	34200	0.53	0.0E+00	0.0E+00 AA399959.1	EST_HUMAN	zu68b07.r1 Scares_testis_NHT Homo saplens cDNA clone INAGE:743125 5
7879	20823	34201	0.53	0.0E+00	0.0E+00 AA399959.1	EST_HUMAN	zu68b07.r1 Soares_testis_NHT Hamo septems cDNA done IMAGE:743125 5
7880		34202	0.53	0.0E+00	0.0E+00 AL048347.2	EST_HUMAN	DKFZp434J087_r1 494 (synonym: hiss3) Homo septens cDNA clone DKFZp434J087 5
7897		34221	12	0.0E+00	0.0E+00 AF064205.1	Ā	Homo sapiens dynactin 1 (DCTN1) gene, alternatively spliced products, exons 7 through 32 and complete cds
							Homo sapiens dynactin 1 (DCTN1) gene, alternatively spliced products, exons 7 through 32 and complete
7897			122	0.0E+00	0.0E+00 AF084205.1	Z	Cd3
2067	20848		1.06	0.0E+00	0.0E+00 U74315.1	EST_HUMAN	HSU74915 Human chronosome 14 Homo septens cDNA clone 1-4
7919	20862	34250	0.59	0.0E+00	0.0E+00 BE439545.1	EST_HUMAN	HTM1-183F1 HTM1 Hamo septiens cDNA
7920	20863	34251	1.03	0.0E+00	11417342 NT	Z	Homo sepiens seme domain, seven thrombospondin repeats (type 1 and type 1-like), trensmembrane domain (TM) and short cytopiasmic domain, (semaphorin) 5A (SEWA5A), mRNA
7039		34271	0.5	0.0E+00	BF569905.1	EST_HUMAN	602185852F1 NIH_MGC_45 Homo septens cDNA clone IMAGE:4310076 5
7850			0.73	0.0E+00	0.0E+00 Al825504.1	EST HUMAN	wb17g05.x1 NCI_CGAP_GC8 Hamo saplens cDNA clone IMAGE:2305978 3' similar to TR:075363 075363 ABC1.;
	L						

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8022 8022 8022 8022 8022 8022 8022 8022	SEQ ID NO: NO: NO: NO: NO: NO: NO: NO: NO: NO:	ORF SEQ ID NO: 34282 34282 34282 34386 34486 34486 34486 34486 34486 34486 34486 34486 34486 34486 34486 34486 34486	Signal 3.09 (2.73 (2.73 (2.74		Al82550 Al82550 Al82550 Al7584 AU1204 AU1204 AU1204 AU1204 AU1204 AU1204 AU1204 AU1204 AU1204 AU1204 AU1204 AU1204 AU1204 AU1004 AU1004 AU1004 AU1004 AU1004 AU1004 AU1004 AU1004 AU1004 AU1004 AU1004 AU1004 AU1004 AU1004	TOP HIT DESENSE SOUTCE SOUTCE SOUTCE THUMAN	Top Hit Descriptor  Source Sou
6146 6147 6186 8231 8244					0.0E+00 A1133435.1 0.0E+00 AU133187.1 0.0E+00 BF217200.1 0.0E+00 BE313013.1	EST HUMAN EST HUMAN. EST HUMAN	HAZO43 Human fetal liver cDNA library Homo sapiens cDNA AU133187 NTZRP4 Homo sapiens cDNA clone NTZRP4001507 5 801885317F1 NIH_MGC_57 Homo sapiens cDNA clone IMAGE:4103693 5 601150347F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:3503050 5
8258	Ш	Ш		Ш	0.0E+00 AA149791.1	EST_HUMAN	201c06.r1 Strategene colon (#837204) Homo sapiens cDNA clone IMAGE:566410 5

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Top Hit Descriptor	601672310F1 NIH_MGC_20 Homo sepiens cDNA clone IMAGE:3956131 5	28C3H08.r1 Soares retina N254HR Homo septiens cDNA clone IMAGE:360831 5	601305658F1 NIH_MGC_39 Homo septems cDNA clone IMAGE:3638803 5",	Human amyloid-beta protein (APP) gene, excn 11	Human amyloid-beta protein (APP) gene, excn 11	bb34d02.y1 NIFL_MGC_10 Homo sapiens cDNA clone IMAGE:2885123 5' similar to TR:O84652 O84652 F17K2.26 PROTEIN.;	bb34d02 y1 NIH_MGC_10 Homo septens cDNA clone IMAGE:2985123 5' similær to TR:O84652 O84652 F17X2.26 PROTEIN.;	281b04.r1 Strategene schizo brain S11 Homo sapiens cDNA clone IMAGE:728719 6' similar to TR:G300482 G300482 POL-REVERSE TRANSCRIPTASE HOMOLOG (RETROVIRAL ELEMENT) ;	MR0-ST0031-061099-003-e11 ST0031 Homo sepiens cDNA	Homo sepiens mRNA for KIAA0884 protein, partial cds	AU142402 Y78AA1 Homo sepiens cDNA clone Y78AA1000277 5	601285550F1 NIH_MGC_44 Homo sapiens cDNA clone IMAGE:3607237 5"	601285550F1 NIH_MGC_44 Hamo septems cDNA clone IMAGE:3607237 5	Homo sepiens killer cell immunoglobulin-like receptor, two dometns, short cytoplasmic tall, 1 (KIR2DS1), mRNA	2805d01.r1 Sogres fetal heart, NDHH19W Homo septems cDNA clone IMAGE:358081 5"	2805d01.r1 Scares fetal heart NbHH10W Homo sapiens cDNA clone IMACE:358081 5	602153008F1 NIH_MGC_81 Homo saptens cDNA clone IMAGE:4294128 5	AU134114 OVARC1 Hamo sapiens aDNA clane OVARC1001298 5	602068632F1 NCI_CGAP_Bm64 Hamo sapiens cDNA clane IMAGE:4212727 5	602069632F1 NCI_CGAP_Bm64 Homo sapiens cDNA clane IMAGE:4212727 5	DKFZp761P082_r1 781 (synonym: hamy2) Homo septens cDNA clone DKFZp781P082 5	DKFZp781P092_r1 761 (synonym: hamy2) Homo septens cDNA clone DKFZp781P092 5	601485254F1 NIH_MGC_69 Hamo sepiens aDNA dane IMAGE:3887773 6	UI-HF-BNO-444-01-0-UI.r1 NIH_MGC_50 Hamo septems dDNA dane IMAGE:3077496 5	aus3b08.x1 Schneider fetal brain 00004 Homo sapiens dDNA done IMAGE:2783789 3' similar to TR:060483 060463 TYPE-2 PHOSPHATIDIC ACID PHOSPHOHYDROLASE [1];	xeg7d12x1 Scares NF_T_GBC_S1 Homo sapiens cDNA clone IMAGE:2567639 3' straiter to contains element OFR recettive element :	Homo saplens centrosomal protein 2 (CEP2), mRNA	zs38d05.r1 Sceres fetal liver spleen 1NFLS Hamo septens cDNA clane IMAGE:294633 5"
Top Hit Database Source		EST_HUMAN 2	EST_HUMAN (	±	INT TH	EST_HUMAN F	EST_HUMAN F	EST_HUMAN C	EST_HUMAN A		EST_HUMAN /		EST_HUMAN 6		T HUMAN	Г	EST HUMAN 6		EST_HUMAN 6	EST HUMAN 6	EST HUMAN [	EST_HUMAN [		EST_HUMAN L		EST HUMAN		T_HUMAN
Top Hit Acession No.	+	1	1			.1	۲,	+	.1		ļ	1		7857278 NT			1	1	1	1			1	.1	-	Ī.	27722	
Most Similar (Top) Hit BLAST E Vaitus	0.0E+00	0.0E+00 AA017021	0.0E+00 BE736046	0.0E+00 M34872.1	0.0E+00 M34872.1	0.0E+00 AW674581	0.0E+00 AW674581	0.0E+00 AA397551.	0.0E+00 AW387131	0.0E+00 AB020691	0.0E+00 AU142402	0.0E+00 BE388421.	0.0E+00 BE388421.	0.0E+00	0.0E+00 W95278.1	0.0E+00 W85278.1	0.0E+00 BF673098.	0.0E+00 AU134114.	0.0E+00 BF525634.	0.0E+00 BF525534.	0.0E+00 AL120124.1	0.0E+00 AL120124.	0.0E+00 BE877683.	0.0E+00 AW500549	0.0E+00 AW157233	0.0F+00 AW072395	0.0E+00	0.0E+00 W01616.1
Expression Signal	0.88	0.62	228	242	242	0.74	0.74	247	0.82	0.62	7.89	1.12	1.12	0.49	0.92	0.92	17.98	96.0	1.71	1.71	1.65	1.65	1.24	1.91	10.07	290	1.08	0.83
ORF SEQ ID NO:	34648	34682	34680	34695	34696	34727	34728	25.72	34735		34737	34741	34742	34756	34768	34759			34778	34777	34810	34811		34881	34887	34000		П
Exan SEQ ID NO:		21250	89Z1Z	88Z IZ	21283	21313	21313	21320	21322	21325	21326	21330	24330	21345	21347	21347	21349	21353	24367	21367	21389	21388	21442	21465	21473	740	Z 500	21512
Probe SEQ 10 NO:	8288	8281	8209	8314	8314	8344	8844	8351	8353	8356	8857	8361	8361	8376	8378	8378	8380	8384	8688	8888	0648	8430	8473	8497	8505	8522	8541	8544

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Top Hit Descriptor	601578195F1 NIH_MGC_9 Homo saplens cDNA clone IMAGE:3926998 6"	601578185F1 NIH_MGC_9 Hamo sepiens aDNA dane MAGE:3926888 5	Homo sepiens Xq pseudoautosamal region; segment 1/2	Human DNA for ceruloplasmin, exen 5	qv95c12x1 NCL_CGAP_Urz Homo septens dDNA done IMAGE:1989334 3' striller to TR:014673 Q14673 KIAA0164 PROTEIN.;	7476604x1 NC_CGAP_Lu24 Homo sepiens cDNA clone IMAGE:32788623' similar to TR:096763 095763 STAUTEN PROTEIN.;	w60b10 x1 NCL_CGAP_Bm25 Homo saptens cDNA clone IMAGE:2429275 3' stmilar to SW.COGT HUMAN P50281 MATRIX METALLOPROTEINASE-14 PRECURSOR;	601334790F1 NIH MGC 39 Hamo septens cDNA clone IMAGE:3688655 5	601334780F1 NIH_MGC_39 Homo sepiens cDNA clone IMAGE:3686655 5	Homo sepiens Chedialk Higashi syndrome 1 (CHS1), mRNA	Homo sepicars Chedialk-Higashi syndrome 1 (CHS1), mRNA	zv68f02.ri Soares_total_fetus_Nb2HF8_9w Homo sepiens cDNA clone IMAGE:758619 6' slinifar to TR:G1304132 G1304132 TPRD.;	zv69f02.r1 Soares_total_fatus_Nb21FB_9w Homo saplens cDNA clone IMAGE:758619 5' stmliar to	THE CONTROL OF THE STATE OF THE	AZ/360K.61 SORTES INTELLIGIO SEPRETS CLINA CICITE INTICE. 72/800 5 WILLIE IN SECONDO. PROHIBITIN (HUMAN);	RC2-FN0094-120800-013-h07 FN0094 Hamo sepiens dDNA	QV3-DT0045-221289-046-c07 DT0045 Homo sepiens cDNA	QV3-DT0045-221289-046-c07 DT0045 Hamo sapiens cDNA	601452412F1 NIH_MGC_68 Homo septens cDNA done IMAGE:3858179 5	601452412F1 NIH_MGC_66 Hamo sepiens cDNA clane IMAGE:3850179 5	Homo sepiens chromosome 21 segment HS21C009	Homo septens drivinosome 21 segment HS21C009	wm33a11.x1 NCL_CGAP_UM Homo sapiens cDNA clone IMAGE:2437724 3' similar to TR:075457 075457 CY5457 CYTOSOLIC PHOSPHOLIPASE A2-GAMMA.;	ne26d10.s1 NCI_CGAP_Cos Homo sepiens cDNA clone IMAGE:882269 3' similar to TR:G1136434 [01136434 KIAA0167 PROTEIN :	Homo sepiens protocadhein beta 3 (PCDHB3), mRNA	ta04f11.x1 Soares_pregnant_uterus_NbHPU Homo sapiens cDNA clone IMAGE:2043117 3'	601431238F1 NIH_MGC_72 Hamo sapiens dDNA done IMAGE:3916569 5
Top Hit Database Source	EST_HUMAN	EST_HUMAN	ΝŢ	Ŋ	EST_HUMAN	EST_HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	•	5	EST HUMAN	MAAN LI	NAMOL I CO	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>	TN	NT	EST HUMAN	EST HIMAN	IN	<b>EST HUMAN</b>	EST_HUMAN
Top Hit Acession No.	0.0E+00 BE745597.1	0.0E+00 BE745597.1	0.0E+00 AJZ71735.1		-	_		_		127236	11427235 NT	0.0E+00 AA403182.1		U.UE+UU AAAUSTBZ.1	0.0E+00 AA398511.1	0.0E+00 BE837593.1	0.0E+00 AW384874.1	0.0E+00 AW384874.1	-	_	2	0.0E+00 AL163209.2	0.0E+00 A)884477.1	0.05.00 4.602204.4	11416799 NT	0.0E+00 A 580780.1	0.0E+00 BE890797.1
Most Similar (Top) Hit BLAST E Velue	0.0E+00	0.0E+00	0.0E+00	0.0E+00 D45032.1	0.0E+00	0.05+00	00130	001100	00+400	0.0E+00	0,0E+00	0.05+00		0.05+00	0.00-00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0000	20-HO	0.0E+00	0.0E+00
Expression Signal	128	1.26	12	4.0	1.08	26	5	1 8	18	183	1.83	1.35		CS:	3.69	0.53	1.25	1.26	1.28	1.28	1.65	1.65	0.7	0	74.0	68 0	1.97
ORF SEQ ID NO:	34831	34832	34946	34965	34983	34894	97,30	34990 95043	35013	35023	35024	35036		320ZI		35076	35077	35078				L			87100	35140	Ц
Exan SEO ID NO:	21514	1_	1_		21567	21578	L	7 200	24503	21601	21601	l _		21003	21644	١_		1_		1_	L		<u> </u>	1	27.40	L	Ш
Probe SEQ ID NO:	8546	8546	6998	8578	8599	8810	2	2100	0000	223	8833	9626		8635	8678	8685	9898	8888	8705	8705	8728	8720	873		0770	8776	8752

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Top Hit Descriptor	AN 2822701 Sprime NIH MGC 7 Homp sepiens cDNA clone IMAGE:2822701 5	Т	Г	Homo espiens mitogen-ectivated protein kinase kinase kinase 13 (MAP3K13), mRNA	Human zinc finger protein (ZNF165), gene, exons 2 and 3	Human zinc finger protein (ZNF165), gens, exons 2 and 3	Homo sapiens NESP55, GNAS1 antisense (partial) and XLatchas (partial) genes	H. septens mRNA for gamma-glukamytransferase	H.sepiens mRNA for gamma-glutamytransferase	H.sepiens mRNA for gamma-glutamytransferase	Human immunoglobulin-iike transcrip&3 mRNA, complete cds	Homo sepiens cep.250 centrosome associated protein mRNA, complete cds	Homo sapians cap.250 centrosome associated protein mRNA, complete cds	Г	Homo sepiens Immunoglobulin superfamily, member 2 (IGSF2), mRNA		AN   601472166F1 NIH_MGC_67 Home septems cDNA clone IMAGE:3874912 6					AN 601900571F1 NIH MGC_19 Homo sapiens cDNA done IMAGE:4129744 5	Homo sepiens leukocyte immunoglobulin-like receptor, subtamily B (with TM and ITIM donains), member 3							Homo sepiens chromosome 21 segment HS21C101			AN 602127664F1 NIH_MGC_56 Homo sepiens cDNA clone IMAGE:4284542 5
Top Hit Database Source	EST HIMAN	EST HUMAN	1	뉟	ᅜ	NT	M	Ę	NT	NT	IN	NT	, <b>½</b>	EST HUMAN	¥	EST HUMAN	EST_HUMAN		EST HUMAN	EST_HUMAN	EST_HUMAN	<b>EST_HUMAN</b>			EST_HUMAN	EST HUMAN		<b>EST_HUMAN</b>	EST_HUMAN	NT	EST HUMAN	EST_HUMAN	EST_HUMAN
Top Hit Acession No.	0 0F+00 AW245785 4		888	4758695 NT			0.0E+00 AJ251760.1					0.0E+00 AF022855.1	0.0E+00 AF022856.1	+-	428572	0.0E+00 AW513513.1	0.0E+00 BE783232.1		D52650.1	0.0E+00 BE378495.1	0.0E+00 AA410545.1	0.0E+00 BF313946.1		387		0.0E+00 AW139673.1		0.0E+00 AI640190.1	0.0E+00 BF377897.1	0.0E+00 AL163301.2	1	0.0E+00 BF700165.1	-
Most Similar (Top) Hit BLAST E Vatue	005+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 UB8084.1	0.0E+00 U88084.1	0.0E+00	0.0E+00 X98922.1	0.0E+00 X98922.1	0.0E+00 X98922.1	0.0E+00 U82979.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.01	0.0E+00		0.0E+00 D52650.1	0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	0.55	0.55	2.62	262	0.52	0.52	1.02	ဇ	က	8	1.82	1.16	1.16	0.68	0.81	£.	0.55		11.32	3.89	3.98	3.27		1.37	1.38	1.38		0.61	3.23	0.45	233	2.98	288
ORF SEQ ID NO:	35466	35167	35168		35172	35173		35244	35245	35246	35260	35305	35306	35308	35325				35328	35361	35365			35374	35379	32380			35388	35410	35414		35419
SEQ ED	24745	L		L	21750	21750	21818	21823	21823	21823	21838	21879	21879	21882	21897		21903	i	21804	<b>21835</b>	2941	21943				21855	L_	21980	21979	21988	21884		21889
Probe SEQ ID NO:	8778	8778	8779	8778	8783	8783	8851	8826	9588	8856	8871	8913	8913	8916	1588	8935	8837		8888	6968	8976	7768		<b>888</b>	8888	6868		8807	8013	8022	8206	8033	E\$06

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Single Exon Probes Expressed in Bone Marrow

Single Exert Flobes Expressed in Dens Warrow	Top Hit Acession Database Top Hit Descriptor No. Source	I EST HUMAN	EST_HUMAN	I EST_HUMAN	0.0E+00 AA962527.1 EST_HUMAN RIBOSOMAL PROTEIN L7A (HUMAN);	47037 NT	1947037 NT	<u>N</u>	I EST_HUMAN	0.0E+00 AV718377.1 EST HUMAN AV718377 FHTB Homo saplens CDNA clone FHTBAAF11 5	.1 EST_HUMAN	0.0E+00 AU124051.1 EST_HUMAN AU124051 NT2RM2 Homo sapiens cDNA clone NT2RM2001575 5	1 EST HUMAN	1 NT	EST_HUMAN	EST_HUMAN	0.0E+00 AW592233.1 EST_HUMAN Inf48a08.x1 Scenes_NFL_T_GBC_S1 Home saplens cDNA clone IMAGE:2835098 3	1 EST_HUMAN	1 EST HUMAN	1 EST_HUMAN	1 EST HUMAN	0.0E+00 AL040428.1 EST HUMAN DKFZ0484C1814_e1 434 (smonym: mass) Homo sapiens CUNA Come DNFZ0454C1614 3	0.0E+00 AF133001.1 NT perificial ods	F F	0.0E+00 BF075505.1 EST_HUMAN 602138483F1 NIH_MGC_83 Hamo sepiens cDNA done IMAGE:4274708 6	T_HUMAN	11422857/NT Hamo sepiens tumor protein p73 (TP73), mRNA	NT	<u> </u>	T	AV660739.1 EST_HUMAN  AV660739 GLC Hamp segrens CLNA came GLV-ANG 12.5
"	Top Hit A	BF70016	A1458722	AL449770	AA98252	ا ا	7	0.0E+00 Y11107.3	BE27891	AV71837	AW33727	AU12405	AU14070	0.0E+00 AB007923.	0.0E+00 R17132.1	0.0E+00 R17132.1	AW5922	AW602Z	AU12880	AV71478	AL04042	AL04042	AF13300	AB04094	BF67550	BF05828		0.0E+00 K01241.1	AB02063	AB02063	AV66073
	Most Similar (Top) Hit BLAST E Vertue	0.0E+00	0.0E+00 AI458722.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00			0.0E+00				0.0E+00	0.0E+00									0.0E+00				
	Expression Signal	288	0.63	0.7	12.96	4.70	4.79	1.23	2.41	3.32	3.36	1.58	0.86	0.55	0.61	0.61	5.11	5.11	0.48	0.89	3.01	3.01	127		ŀ	0.92	4.84	1.44	4.23		1.71
	ORF SEQ ID NO:	35420	35436	35465	36472	35480	35481	35508	35610		35526	35530	35611	35620	35624	35625	35627	35628	35664	35678	35690	35691	36697	35700	35707		35733	35748	35754		35781
İ	SEQ ID	21889	22013	22042	8988	22056	<b>85022</b>	22080	22082	22082	22088	20122	22188	22188	22/35	22195	22189	22188	22235	22247	22282	22262			22275	11222		1_	_		Ш
l	Probe SEQ ID NO:	9033	9847	9076	7808	88	888	9114	9416	9128	9432	88	8214	9224	8228	8228	8223	8233	8269	9281	9296	9236	2302	8304	8310	8312	8342	8352	9361	1983	9998

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Ingle Exell Flores Expressed III Doire Mailow	Top Hit Descriptor	Homo saplens polycystin-L (PKDL), mRNA	601588304F1 NIH_MGC_7 Hamo sepiens cDNA clane IMAGE:3942553 5	Homo septens mRNA for KIAA1251 protein, partial cds	Homo septens mRNA for KIAA1251 protein, partial cds	yu03h08.r1 Sogres fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:232767 5'	601141119F1 NIH_MGC_9 Home sapiens cDNA clone IMAGE:3140740 67	601141119F1 NIH_MGC_9 Homo sapiens cDNA clone IMAGE:3140740 57	601452582F1 NIH_MGC_68 Homo septens cDNA clone IMAGE:3856100 6	601452552F1 NIH_MGC_66 Hamo saplens cDNA clone IMAGE:3856100 5	Human polymorphic loci in Xq28	Human mRNA for GABA-A receptor, alpha 1 subunit	AU127096 NT2RP2 Hamo septens cDNA done NT2RP2000579 5	an 29e04.x1 Gessler Wilms framor Homo sapiens cDNA clane IMAGE:1700094.3'	wq34a12.x1 NCI_CGAP_GC6 Homo sapiens cDNA clone IMAGE:2473150 3' similar to SW:MGB3_HUMAN	O15480 MELANOMA-ASSOCIATED ANTIGEN BS;	Homo sepiens protoceatherin alpha 8 (PCDHA8), mRNA	EST370381 MAGE resequences, MAGE Homo expiens cDNA	Human endogenous retrovirus, complete genome	AU142882 Y78AA1 Homo saplans cDNA clone Y78AA1000678 5	Homo sepiens MAP-tonese activating death domain (MADD), mRNA	601301678F1 NIH_MGC_21 Hamo sapiens cDNA dane IMAGE:3636163 67	7g97h12x1 NCI_CGAP_Co16 Homo sapiens cDNA clone IMAGE:3314471 3' similar to TR:Q9UH62	GOUND HEIKAL 425 KU PROTEIN.;	Homo septions midwa for NAAub/8 protein, parties cos	601588284F1 NIH_MGC_7 Homo septens cDNA ctone IMAGE:3943463 5	AU138229 PLACE1 Hamo sapiens cDNA clane PLACE1003804 5	601510247F1 NIH_MGC_71 Hamo sapiens cDNA clane IMAGE:3911986 6	601510247F1 NIH_MGC_71 Hamo sapiens cDNA clone IMAGE:3911986 5	Homo sapiens mRNA for KIAA0594 protein, partial cds	EST50505 Gell bladder I Homo sepiens cDNA 5' end	EST30505 Gell bladder I Homo sepiens cDNA 5' end	baSkd08.y3 NIH_MGC_10 Hamo sapiens cDNA clone IMAGE-2900367 & similar to TR:O60275 O60275 KIAA0522 PROTEIN;
	Top Litt Deteberse Source	TN	EST_HUMAN	NT	NT	EST_HUMAN	<b>EST_HUMAN</b>	EST_HUMAN	EST_HUMAN	EST_HUMAN	۲	¥	EST_HUMAN	EST_HUMAN		EST_HUMAN	NT	EST_HUMAN	¥	EST_HUMAN	NI	EST_HUMAN		EST HUMAN	Z	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	F	EST_HUMAN	EST_HUMAN	EST_HUMAN
1 offino	Top Hit Acession No.	7706838 NT	0.0E+00 BE793328.1	AB033077.1	0.0E+00 AB033077.1	173957.1	0.0E+00 BE315402.1	0.0E+00 BE315402.1	0.0E+00 BE612721.1	3E612721.1	A89986.1	(14766.1	0.0E+00 AU127098.1	Al061395.1		0.0E+00 Al954607.1	9256595 NT	0.0E+00 AW958311.1	9635487 NT	0.0E+00 AU142862.1	11436995 NT	0.0E+00 BE410768.1		3F002024.1	B011150.1	0.0E+00 BE794823.1	U136229.1	3E883843.1	3E883843.1	0.0E+00 AB011168.1	VA344601.1	0.0E+00 AA344601.1	0.0E+00 AW673469.1
	Most Similar (Top) Hit BLAST E Vælue	0.0E+00	0.0E+00	0.0E+00 AB033077	0.0E+00[/	0.0E+00 H73937.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 BE612721	0.0E+00 M89986.1	0.0E+00 X14788.1	0.0E+00	0.0E+00 Al061385.		0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0€+00	0.0E+00		0.0E+00 BF002024.	0.0E+00 AB011150	0.0E+00	0.0E+00 AU136229	0.0E+00 BE883843.	0.0E+00 BE883843.	0.0E+00	0.0E+00 AA344601	0.0E+00	0.0E+00/
	Expression Signal	3.07	222	0.48	0.48	98.0	4.19	4.19	0.59	0.59	0.52	1.74	. 0.5	1.28		1.86	4.1	1.18	4.72	1.44	1.46	8.0		1.28	1.25	4.85	1.04	1.36	1.36	77.0	3.53	3.53	1.02
	ORF SEQ ID NO:	35787			35774		35798		35814	35815	-	35819	35835	35839		35843	35848	32860	35870	35888	35904			36821	35837	35938	36946		35951	36967	35971	35972	36011
	SEO ID NO:				L	22356	22386	22388	22378	22376	22379	22381	7822	22401		22406	22411	22422	22432	22448	22463	22464		22476	2480		1			22619		22523	22568
	Probe SEQ ID NO:	8872	8877	8278	8278	<b>889</b> 1	200	<b>9</b>	9411	9411	9414	9418	9433	9437		9442	9447	9458	9468	9484	9499	9500		9513	307/	9528	9634	8238	6836	7996	1998	1998	9619

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Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signed	Most Similar (Top) Hit BLAST E Vatue	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor
9619	22568	36012	1.02		0.0E+00 AW673469.1	EST_HUMAN	ba54d08.y3 NIH_MGC_10 Homo sapiens cDNA cione IMAGE:2800367 6' similar to TR:080275 060275 KIAA0522 PROTEIN;
8683		38044	4.74	<u> </u>	0.0E+00 BE207083.1	EST_HUMAN	be09f05.y1 NIH_MGC_7 Home sapiens cDNA clone IMAGE:2823873 5' similar to gb:1.36049 Mus musculus Bol-ut mRNA, complete cds (MOUSE);
8883	<u> </u>	36045	4.71		0.0E+00 BE207063.1	EST_HUMAN	be09f05.y1 NIH_MGC_7 Homo septens cDNA done IMAGE:2823673 5' similar to gb:1.35049 Mus musculus Bcl-xL mRNA, complete cds (MOUSE);
9664		36275	1.77		0.0E+00 BF348013.1	EST_HUMAN	602023150F1 NCI_CGAP_Bm67 Hamo septens cDNA clane IMAGE:4158300 6
9700	L	36107	2.9		0.0E+00 BE712515.1	EST HUMAN	QV2-HT0698-250700-282-b08 HT0698 Homo septems cDNA
9732					0.0E+00 BF034377.1	EST_HUMAN	601455116F1 NIH_MGC_68 Hamo septems cDNA clane IMAGE:3856035 5
9732	L	36214	98.0		0.0E+00 BF034377.1	EST_HUMAN	601455116F1 NIH_MGC_68 Hamo septens cDNA clane IMAGE:3859035 5
8738		36221	89.0		0.0E+00 Al906351.1	EST HUMAN	RC-BT108-040399-032 BT108 Hamo sepiens aDNA
9741	22769	38223	3.60	0.0E+00	TN 6905085	-	Homo sapiens leukocyte Immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5 (LILRB5), mRNA
						!	Homo sapiens leutocyte Immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 6
9741					1N 6803066	E I	(LIKES), MIKNA
9751	22692	36149	2.54	,	0.0E+00 AL042278.1	EST_HUMAN	DKFZp434L0120_J1 434 (synonym: htes3) Homo septems cDNA ctone DKFZp434L0120 6
9786	zzrzz	36183	2.35		0.0E+00 Al088043.1	EST_HUMAN	ow60h01x1 Soares_NSF_F8_9W_OT_PA_P_S1 Homo sapiens cDNA clone IMAGE:1651249 3' similar to TR:Q14677 Q14677 KIAA0171 PROTEIN.;
9783	21116	34515	0.85		0.0E+00 BF308982.1	EST_HUMAN	601892245F1 NIH_MGC_17 Hama septens cDNA clane IMAGE:4138068 5
9705	1				11560151 NT	Z	Homo sapiens hypothetical C2H2 zinc finger protein FLJ22504 (FLJ22504), mRNA
9785	l	34519	264	0.0E+00	11560151 NT	¥	Homo sapians hypothetical C2H2 ztro finger protein FLJ22504 (FLJ22504), mRNA
70/6		34522	20,82		0.0E+00 AI290908.1	EST HUMAN	qm08806.x1 NCI_CGAP_Lu5 Homo sepiens dDNA clone IMAGE:1881288 S' similar to SW:RL2B_HUMAN P28316 60S RIBOSOMAL PROTEIN L23A. ;
700.0	<u> </u>				O DE+ON Al 280908 1	EST HIMAN	qm08e08.x1 NCI_CGAP_Lu5 Homo septiens dDNA clone IMAGE-1881298 3' similer to SW:PL28_HUMAN P28316 60S RIBOSOMAL PROTEIN L23A.
8020					0.0E+00 AW953838.1	EST HUMAN	EST366026 MAGE resequences, MAGC Homo sepiens cDNA
9855	L.,	L		L	0.0E+00 AF163468.1	ξ	Homo sapians polycyetic kidney disease 2-like protein (PKD2L) gene, excm 8
8828					0.0E+00 BE885128.1	EST_HUMAN	6015/10882F1 NIH_MGC_71 Hamo septens cDNA clane IMAGE:3912166 57
8828	22677		0.68		0.0E+00 BE885128.1	EST_HUMAN	601510882F1 NIH_MGC_71 Hamo septens cDNA dane IMAGE:3912165 5
9837	22773		222		0.0E+00 BE255829.1	<b>EST_HUMAN</b>	601109942F1 NIH_MGC_16 Hamo sapiens cDNA clane IMAGE:3350722 5
9840	22776	36231	1.35		0.0E+00 BE781382.1	EST_HUMAN	601466828F1 NIH_MGC_67 Hamo septems cDNA clane IMAGE:3870007 5
9840	22778		1.35		0.0E+00 BE781382.1	EST_HUMAN	601456828F1 NIH_MGC_67 Homo saplens cDNA clone IMAGE:3870007 57
9843	22778	36234	30.94		0.0E+00 AW163779.1	EST HUMAN	au86004.y1 Schreider fetal brain 00004 Homo sapiens cDNA clone INAGE-2783142 6' similar to gb:N36072. 60S RIBOSOMAL PROTEIN L7A (HUMAN);
	ı	l					

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וולוים דיירון בו החספר דייליו פספר ווו ביסוום ושמונה.	Top Hit Descriptor	Homo sepiens DNA for emyloid precursor protein, complete cds	601145054F2 NIH_MGC_18 Homo septens cDNA clone IMAGE:3160477 67	C08158 Human pencreatic islet Homo sapiens cDNA clone hbc5805	C06168 Human pancreatio latet Homo septens cDNA clone hbc5606	601578683F1 NIH_MGC_9 Homo septems cDNA clone IMAGE:3927548 5	Homo sepiens solute carrier family 21 (organic enion transporter), member 9 (SLC21A9), mRNA	Homo septems solute cerrier femily 21 (organic enton transporter), member 9 (SLC21A9), mRNA	Homo sepiens solute canter family 21 (organic enton transporter), member 9 (SLC21A9), mRNA	601673425F1 NIH_MGC_21 Homo septens cDNA clone IMAGE:3856238 5	AV701829 ADB Hamo sapiens aDNA clane ADBBY1401 67	Homo sapiens kenatin 2e (KRT2E) gene, complete ods	Homo sepiens keratin 2e (KRT2E) gene, complete cds	RC2-BT0642-130300-017-g01 BT0642 Homo septems cDNA	UHIF-BNO-ekg-b-12-0-UI.rl NIH_MGC_50 Hamo sapiens cDNA cione IMAGE:3076943 5	UI-HF-BNO-ekg-b-12-0-UI.r1 NIH_MGC_50 Homo septens cDNA clone IMAGE:3076943 5	Homo sepiens chromosome 9 duplication of the T cell receptor beta locus and trypstnogen gene families	Homo seciens chromosome 8 dunitication of the T cell recentor beta locus and tryoshopen cane families	01470824F1 NIH MGC 67 Hamo septems aDNA dane IMAGE:3674037 6	601470824F1 NIH_MGC_67 Homo septens cDNA clone IMAGE:3874037 5	zd16e11.rl Soares fetal heart NbHH19W Homo sapiens cDNA clone INAGE:340844 5	2216611.11 Scares fetal heart_NbHH19W Home sapiens cDNA clone IMAGE:340844 5	Homo septens mRNA for neurierán Halpha protein, complete ods	em56e11.x1 Johnston frontal contex Homo sapiens cDNA clone IMAGE:1539548 3'	UHHF-BNO-alg-c-07-0-UI.r1 NIH_MGC_60 Hamo sepiens cDNA clane IMAGE:3077384 67	Multiple sclerosts associated retrovirus polyprotein (pd) mRNA, pertial cds	AIGF= <b>encitogen-inc</b> tuced growth factor AIGF (human, placenta, Genomic/mRNA, 498 nt, segment 5 of 5)	AIGF=androgen-Induced growth factor AIGF [human, placenta, Genomic/mRNA, 498 nt, segment 5 of 5]	601334803F1 NIH_MGC_39 Hamp sepiens cDNA dane IMAGE:3888880 5	CA/2-CT0311-301169-043-M1 CT0311 Hamo sepiens cDNA	Homo sepiens multimenin (MMRN), mRNA
CAULI LIOUSS L	Top Hit Database Source	M	EST HUMAN	EST_HUMAN	EST_HUMAN	T_HUMAN				EST_HUMAN	EST_HUMAN		Į.	EST_HUMAN	EST_HUMAN	EST_HUMAN	NT	5	T HUMAN	EST HUMAN	EST HUMAN	EST HUMAN	M		EST_HUMAN	NT	눌	Ę	EST_HUMAN	T HUMAN	
Single	Top Hit Acessian No.	D87675.1	0.0E+00 BE263191.1	C08158.1	<b>208158.1</b>	0.0E+00 BE746215.1	11437282 NT	11437282 NT	11437282 NT	0.0E+00 BE900549.1	0.0E+00/AV701829.1	0.0E+00 AF019084.1	0.0E+00 AF019084.1	0.0E+00 BE082977.1	0.0E+00 AW500283.1	0.0E+00 AW 500283.1	0.0E+00 AF029908.1	0.0F+00.AF029308.1	0.0E+00 BE783272.1	0.0E+00 BE783272.1	0.0E+00 W56829.1	N56829.1	0.0E+00 AB035356.1	0.0E+00 AI124780.1	0.0E+00 AW 500528.1	0.0E+00 AF009688.1	578468.1		0.0E+00 BE563320.1	0.0E+00 AW363135.1	11436432 NT
	Most Similar (Top) Hit BLAST E Value	0.0E+00 D87675.1	0.0E+00	0.0E+00 C00458.1	0.0E+00 C06158.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.01100	0.0E+00	0.0E+00	0.0E+00	0.0E+00 W56829.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 S78466.1	0.0E+00 S78488.1	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	0.44	3.12	4.11	4.11	282	1.81	1.81	1.81	1.40	0.61	2.59	2.59	1.86	265	2.65	1.45	1 45	0.78	0.76	0.52	0.52	. 1.05	0.56	2.73	1.51	2.37	2.37	3.13	1.42	0.61
	ORF SEQ ID NO:	36242	36257	26236	36294	262397	36307	80898	60898	38191	36323	36335	36336	36372	36392	36363	36399	36400	36404	36402	36413	38414	36427		36432	36481	36512		36518	38535	36553
	SEQ ID	22790	22803	22838	22838	22840	22850	22850	22850	22738	22862	22874	22874	22807	22828	22826	22885	l	22837	22837	22946	22946	22859	22963	22965	23009	-23035		L	23058	11082
	Probe SEQ ID NO:	<b>3854</b>	9867	9885	8885	9887	6897	26897	1686	8917	9832	8947	2565	0866	6666	6666	10008	10008	10010	10010	10019	10019	10032	10038	10038	10082	10109	10109	10112	10132	10152

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Single Exon Propes Expressed in boile mailor	Τορ Hit Descriptor	Homo eapiens leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3 (LILRB3), mRNA	bb28c01.x1 NIH_MGC_5 Homo sepiens cDNA clone IMAGE:2984000 3'	AU132349 NT2RP3 Hamo septens cDNA clane NT2RP3004280 5	AU132349 NT2RP3 Homo saplens cDNA clone NT2RP3004260 5	ULHF-BP0p-air-f-05-0-UI.rt NIH_MGC_51 Hamo sapiens cDNA clone IMAGE:3072897 5	601696558F1 NIH MGC 9 Homo septens culvia clone IMACE: 3048383 5	601556558F1 NIH MGC 9 Homo sapiens dunk dane IMAGE:3946355 3	Homo sapiens mRNA for KIAA1231 protein, partial cots	Homo sapiens mRNA for KIAA1231 protein, partial cots	Homo sapiens KIAA0345 gene product (KIAA0345), mRNA	DKFZp434L0120_r1 434 (synonym: htes3) Homo septens cDNA clone DKFZp434L0120 6	DKFZp434B2416_r1 434(synonym: htes3) Homo sepiens cDNA clone DKFZp434B24165	AU132349 NT2RP3 Homo sepiens dDNA clone NT2RP3004280 5	Homo sepiens protocedirerin alpha 12 (PCDH-alpha12) mRNA, complete cds	Homo sepiens leuccoye immunoglobulin-like receptor-1 mRNA, complete cots	Homo sepiens leucocyte Immunoglobutin-like receptor-1 mRNA, complete ods	MR4-TN0114-110900-101-604 TN0114 Homo sepiens cDNA	601165227F1 NIH_MGC_21 Hamo septems dONA done IMAGE:3138788 5	601288351F1 NIH_MGC_44 Hamo sepiens cDNA dane IMAGE:3613045 5	601288351F1 NIH_MGC_44 Hamo sepiens cDNA dane IMAGE:3813045 5	xm72b01x1 NCL_CGAP_CML1 Homo sepiens cDNA clone IMAGE:2898977 3' stmiler to gb:X02152_cds1 L- LACTATE DEHYDROGENASE M CHAIN (HUMAN);	EST46740 Fetal Iddney II Homo septens cDNA 5' end	Hamo sepiens Chedlak-Higashi syndrome 1 (CHS1), mRNA	EST376196 WAGE resequences, MAGH Homo sapiens cDNA	AU143673 Y78AA1 Hamo sepiens cDNA clane Y78AA1002307 5	AU143873 Y79AA1 Homo sepiens cDNA clone Y79AA1002307 5	Homo sapiens killer cell inhibitory receptor KIRCI gene, exans 2, 3, and 4	Homo sepiens HEF like Protein (HEFL), mRNA	Homo septems HEF like Protein (HER.), mRNA	AU136637 PLACE1 Homo saplens cDNA clone PLACE1004737 5	AU136837 PLACE1 Homo saplens CDNA clone PLACE1004/37 5	Homo sapiens partial KANBP7 gene for KanbP//imborun/ and partial LNF143 gene
xon Probes Ex	Top Hit Detribese Source		EST_HUMAN b		П	П	Т	HUMAN				EST_HUMAN C	EST_HUMAN C	EST_HUMAN A		FN		EST_HUMAN IN	EST_HUMAN 6	EST_HUMAN   8	EST_HUMAN 6	EST HUMAN	Т		EST_HUMAN E	EST_HUMAN /		± E			П	HUMAN	Ę
Single	Top Hit Acessbon No.	11424387 NT	0.0E+00 BE206710.1	0.0E+00 AU132349.1						0.0E+00 AB033057.1	32067	0.0E+00 AL042Z78.1		0.0E+00 AU132348.1		0.0E+00 AF009220.1			0.0E+00 BE280793.1	Г	0.0E+00 BE388700.1	0.0E+00 AW 236289.1		27235	0.0E+00 AW984113.1	0.0E+00 AU143873.1	0.0E+00 AU143673.1	Ŀ	11421001 NT	11421001 NT	0.0E+00 AU136637.1	0.0E+00 AU136637.1	0.0E+00 AJ295844.1
	Most Shrilar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00/	0.0E+00/	0.0E+00	0.0E+00/	0.0E+00	0.0E+00/	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	1.71	0.82	2.6	26	1.82	16.11	18.11	0.45	0.45	1.78	3.6	0.71	2.67	2.44	5.52	5.62	2.5	2.73	12	12	3.64	0.75	0.63	0.75	7.08	7.08	13.11	2.8	2.8	3.43	3.43	224
	ORF SEQ ID NO:	38554	36564	36583	36584	36598			36604	30998	36618	36638	36644	36651		36680	36681		36720												36824		36839
	Exan SEQ ID NO:	23078	23087	23103	23103	23112	23118	23118	23119	23119	23131	L	23154	23164	L	_			1_	<u> </u>					L	1	23299	<u>.</u>			L	ا ا	Ш
	Probe SEQ ID NO:	10153	10162	10178	10178	10187	10193	10193	10194	10194	10208	10224	10220	10239	10240	10268	10268	10284	10314	10323	10323	4683	10333	10342	10363	10376	10376	10379	10382	10382	10416	10416	10432

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Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Aceasian No.	Top Hit Detabase Source	Top Hit Descriptor
10432	23354	38840	224	0.0E+00	0.0E+00 AJ295844.1	٦	Homo sepiens partial RANBP7 gene for RanBP7//mportin7 and partial ZNF143 gene
10437	23359	36847	0.75	0.0E+00	0.0E+00 AV695712.1	EST_HUMAN	AV695712 GKC Homo sepiens cDNA clone GKCDXA07 5
10437	$\Box$	36848	0.75	0.0E+00	0.0E+00 AV695712.1	EST_HUMAN	AV695712 GKC Homo sepiens cDNA done GKCDXA07 5
10443	23365	38855	0.76	0.0E+00	0.0E+00 AF072408.1	N	Homo sapiens killer cell inhibitory receptor KIRCI gene, exons 2, 3, and 4
10445			2.64	0.0E+00	0.0E+00 AA198387.1	EST_HUMAN	本97h11.r1 Strategene muscle 837209 Homo sapiens cDNA clone IMAGE 628197 5
10470			1.78	0.0E+00	0.0E+00 AA131248.1	<b>EST_HUMAN</b>	2/31/01.r1 Scares_pregnant_uterus_NbHPU Homo saplens cDNA clone IMAGE:503545 67
10470	23392	88898	1.78	0.0E+00	0.0E+00 AA131248.1	EST HUMAN	과31f01.r1 Scenes_pregment_uterus_NbHPU Homo septens cDNA clone IMACE:503545 5"
10517		18898	1.79	0.0E+00,	0.0E+00 AF179308.1	١	Homo sapiens KIF4 (KIF4) mRNA, complete cds
10581	23483	8/698	88'0	0.0E+00	0.0E+00 BE880658.1	EST_HUMAN	601491565F1 NIH_MGC_69 Hamp sepiens oDNA done IMAGE:3883867 5
10573	28406	28698	11.49	0.0E+00	0.0E+00 BE730772.1	EST_HUMAN	801570712F1 NIH_MGC_21 Hamo sapiens dNNA clone IMAGE:3846403 6
10573	23496	88698	11.49	0.0E+00	0.0E+00 BE730772.1	EST_HUMAN	601570712F1 NIH_MGC_21 Hamo septens cDNA dane IMAGE:3845403 5
10578	23500	36882	Z9'0	0.0E+00)	0.0E+00 AU127403.1	EST_HUMAN	AU127403 NT2RP2 Homo sepiens cDNA clone NT2RP2001212 5
10588			98'0	0.0E+00	0.0E+00 BE968611.1	EST_HUMAN	601645134F1 NIH_MGC_56 Hamo septens cDNA clane IMAGE:3830177 5
10588			98'0	0.0E+00	0.0E+00 BE958511.1	EST_HUMAN	601645134F1 NIH_MGC_36 Hamo septems cDNA claime IMAGE:3830177 5
10605	73527	82018	86'0	0.0E+00	0.0E+00 BE897487.1	EST_HUMAN	601432317F1 NIH_MGC_72 Hamo septens cDNA dane IMAGE:3917483 57
10816			89'0	0.0E+00[	0.0E+00 AA311624.1	EST_HUMAN	EST182353 Jurket T-cells VI Homo septens cDNA 5' end
10617		37038	0.56	0.0E+00	4758827 NT	M	Homo sapiens neurodin III (NRXNS) mRNA
10629		37051	0.78	0.0E+00	0.0E+00 BE891113.1	EST HUMAN	601432228F1 NIH_MGC_72 Homo sepiens cDNA clone IMAGE:3917598 5
10632		37054	1.19	0.0E+00	11560151 NT	N	Homo sapiens hypothetical C2H2 zinc finger protein FL/22504 (FL/22504), mRNA
10642	23564	37060	1.39	0.0E+00	0.0E+00 AB028290.1	M	Homo septems mRNA for actin binding protein ABP020, complete cds
10643	23565	19078	90	0.0E+00	0.0E+00 BE304622.1	EST_HUMAN	601105459F1 NIH_MGC_15 Hamp saplens cDNA clane IMAGE:2987918 5
10843	23566	29028	9.0	0.0E+00	0.0E+00 BE304522.1	EST_HUMAN	801105458F1 NIH_MGC_15 Hamo sapiens cDNA done IMAGE:2987918 5
10650			4.13	0.0E+00	0.0E+00 AB006590.1	¥	Homo sapiens mRNA for estrogen receptor beta, complete cds
10850	23572	37068	4.13	0.0E+00	0.0E+00 AB006590.1	NT	Homo septens mRNA for estrayen receptor beta, complete cds
							2/16b08.e1 Scares_fetal_fiver_spleen_1NFLS_S1 Homo sepiens cDNA clone INAGE:450707 3' similar to
10658	l		1.27	0.05+00.	0.0E+00 AA704457.1	EST_HUMAN	gb.M14123_cds1 RETROVIRUS-RELATED GAG POLYPROTEIN (HUMAN);
10660			1.19	0.0E+00 M22821.1	W22821.1	Ę	Human beta 1.4 galactosyl-bransferase mRNA, complete cds
10662		37081	4.52	0.0E+00	0.0E+00 BF340331.1	EST_HUMAN	602037045F1 NCI_CGAP_Bm64 Homo septems cDNA ctone IMAGE:4184839 5
10662		37082	4.62	0.0E+00	0.0E+00 BF340331.1	EST_HUMAN	602037045F1 NCI_CGAP_Bm64 Hamo sepiens cDNA clane IMAGE:4184839 5
10687	23609	37103	5.24	0.0E+00	0.0E+00 BE897149.1		601439713F1 NIH_MGC_72 Hamo sepiens oDNA done IMAGE:3924578 5
10687		37104	5.24	0.0E+00	0.0E+00 BE897149.1	EST_HUMAN	601439713F1 NIH_MGC_72 Hamo septens cDNA clane IMAGE:3824578 5
10719		37134	0.48	0.0E+00 ,	0.0E+00 AV716271.1	EST_HUMAN	AV716271 DCB Hamo espiens cDNA clans DCBBDC09 5
10719	23641	37135	0.48	0.0E+00	0.0E+00 AV716271.1	EST_HUMAN	AV716271 DCB Hamo sepiens cDNA clane DCBBDC08 5

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Single Exon Probes Expressed in Bone Marrow

	SEQ ID SE	97.167 97.167 97.167 97.267 97.267 97.267 97.267 97.267 97.308	F. C. C. C. C. C. C. C. C. C. C. C. C. C.	§E≅	: )	T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN T HUMAN	Top Hit Detachase Source Source Sevenc
10889	23965	37489	1.72		0.0E+00 AV711075.1 0.0E+00 AV711075.1	EST HUMAN EST HUMAN	AV711076 Cu Homo exptens cDNA cione CuAAKG05 6 AV711075 Cu Homo septens cDNA clone CuAAKG05 5
11001	23967	37496	3.29 6.07 1.81		0.0E+00 AW813783.1 ES 0.0E+00 AW883563.1 ES 0.0E+00 11431124 NT	EST_HUMAN EST_HUMAN NT	RC3-ST0197-120200-015-e03 ST0197 Homo sepiens cDNA EST376636 MAGE resequences, MAGH Homo sepiens cDNA Homo sepiens ATP-binding cessette, sub-family A (ABC1), member 3 (ABCA3), mRNA

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Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO:	SEQ ID	ORF SEQ ID NO:	Expression	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Database Source	Top Hit Descriptor  102 Hit Descriptor 10302xf Soares_NFL_T_GBC_S1 Homo expiens cDNA clone IMAGE:2846476 3" similar to contains
11139	24099	37626	3.36	0.0E+00	0.0E+00 AW593333.1	EST_HUMAN	element MSR1 repetitive element;
11139	24089	37627	3.36	0.0E+00	0.0E+00 AW583333.1	EST_HUMAN	hg13d02.x1 Soares_NRL_T_GBC_S1 Homo sapiens cDNA ctone IMAGE:2845475 3' similar to contains element MSR1 repetitive element ;
11130	<u> </u>			0.0E+00	0.0E+00 AW 593333.1	EST HUMAN	hg13d02xt Soares_NFL_T_GBC_S1 Homo sepiens cDNA done IMAGE:2245475 3' similar to contains element MSR1 repetitive element;
11141				0.0E+00 Z34897.1	234897.1	ᅜ	H.eaplans mRNA for H1 histarrine receptor
11142	24102	37630	2.54	0.0E+00 F13069.1	F13069.1	EST_HUMAN	HSC3IC031 normalized infant brain cDNA Homo septens cDNA clane c-3ic03
11159	24117	37643	2.4	0.0E+00	0.0E+00 M27751.1	NT	Homo saptens trimunoglobulin kappa-chain A14 V-region precursor (IGKV) gene, partial cds
11159	24117	37644		0.0E+00	0.0E+00 M27761.1	M	Homo saplens inmunoglobulin kappa-chain A14 V-region precursor (IGKV) gene, partial cds
11167	24125	37654	40.1	0.0E+00	0.0E+00 AW338094.1	EST_HUMAN	xw86f01.x1 NCI_CCAP_Pan1 Homo sepiens cDNA clone IMAGE:2832885 3' similar to gb:X17115 IG MU CHAIN C REGION (HUMAN);
11168	24128	37666	3.64	0.0E+00	0.0E+00 AW451230.1	EST_HUMAN	UHHBI3-alh-a-01-0-UI.s1 NCI_CGAP_Sub5 Homo saptens cDNA clone IMAGE:2736849 3'
11168			3.54	0.0E+00	0.0E+00 AW451230.1	EST_HUMAN	UI-H-BIS-elh-e-01-0-UI,s1 NCI_CGAP_Sub5 Hamo septens cDNA clans IMAGE:2736649 3'
11170	13316		8.04	0.0E+00	4506832 NT	M	Homo sapiens ribosomal protein L31 (RPL31) mRNA
11184	24140	37674	2.07	0.0E+00	0.0E+00 BE298449.1	EST_HUMAN	601119248F1 NIH_MGC_17 Hamo sepiens cDNA clane IMAGE:3028219 57
11196	24151	37682	2.13	0.0E+00	0.0E+00[AB011117.1	¥	Homo eapiens mRNA for KIAA0545 protein, pertial ods
11199	24154	37686	1.69	0.0E+00	0.0E+00 Z20656.1	Z	Hamo sepiens of cardiac alpha-myosin heavy drain gene
11206	24160			0.0E+00	0.0E+00 BE284895.1	EST_HUMAN	801163824F1 NIH_MGC_7 Homo septems cDNA clone IMAGE:3538012 5
11214	24167	37696		0.0E+00	0.0E+00 BE782155.1	EST HUMAN	801582046F1 NIH_MGC_7 Homo septens dDNA done IMAGE:3838639 6
11215			20.33	0.0E+00	0.0E+00 BF684061.1	EST_HUMAN	802141405F1 NIH_MGC_48 Hamo sapiens cDNA clane IMAGE:4302432 5
11217	24170	37698	7.66	0.0E+00	0.0E+00 AU118386.1	EST_HUMAN	AU118386 HEMBA1 Homo sapiens cDNA clone HEMBA1003486 5
11218	24171		2.51	0.0E+00	0.0E+00 AW236269.1	EST HUMAN	xn72b01xf NGLCGAP_CML1 Home expiens cDNA clone IMAGE22698977 3" stritter to gb:X02162_cds1 L- LACTATE DEHYDROGENASE M CHAIN (HUMAN);
11223	L	37702		0.0E+00	0.0E+00 A1149809.1	EST_HUMAN	qf43cd3.xf Soares_testis_NHT Homo septens cDNA clone IMAGE:1752772.3'
11223			4.92	0.0E+00	0.0E+00 AI149809.1	EST_HUMAN	qf43c03.xf Soares_bsds_NHT Homo sepiens cDNA clone IMAGE:1752772.3°
11224	24177	·	2.09	0.0E+00	0.0E+00 AW391837.1	EST_HUMAN	QV4-ST0234-121189-032-b08 ST0234 Homo septems cDNA
11234	24187		1.54	0.0E+00	0.0E+00 AU116908.1	EST_HUMAN	AU116908 HEMBA1 Homo sapiens cDNA clone HEMBA1000255 5
11238	24191	37710	826	0.0E+00	11424728 NT	¥	Homo sapiens Insulin receptor (INSR), mRNA
11244	24197	37716	145.89		0.0E+00 AW804516.1	EST HUMAN	QVO-UM0063-170400-191-d06 UM0083 Hano sepiens aDNA
11244		37717	145.89	0.0E+00	0.0E+00 AW804518.1	EST_HUMAN	QVO-UM0083-170400-191-d06 UM0083 Hamo sepiens cDNA
11245		37718			0:0E+00 BF340308.1	EST_HUMAN	602037014F1 NCI_CGAP_Bm84 Hame saplens cDNA clone IMAGE:4184979 5
11247	24200	37721	<b>b</b>		0.0E+00 BE281209.1	EST_HUMAN	601148357F1 NIH_MGC_19 Hamo septems cDNA clane IMAGE:3163310 5
11251	Ш	37728	1.74		0.0E+00 AB029040.1	¥	Homo sapiens mRNA for KIAA1117 protein, pential cds
i							

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Single Exon Probes Expressed in Bone Marrow

						3' stritter to contains element	63,	12			C4817	96	96		FZp781JZ118 5								\Œ:3060089 6	5	AGE:3077019 5	AGE:3077019 6	similar to gb: Y00345_cds1	Burnary (VKpd p) Vyvall 97		:	5	043	043
I'gie Exoii rioues Expressed in Doire Mailow	Top Hit Descriptor	Human protein kinase C substrate 80K-H (PRKCSH) gene, excn 15-17	Homo sapiens of cardiac alpha-myosin heavy chain gene	RC1-FT0134-170700-012-f07 FT0134 Homo septens cDNA	RC1-FT0134-170700-012-f07 FT0134 Homo septens cDNA	obs2e07,s1 NCL_CGAP_Kd5 Homo sepiens dDNA done IMAGE:1325412 3' striiter to conteins element. MSR1 receitive element:	ha04h04.x1 NCI_CGAP_KId12 Homo sapiens cDNA done IMAGE:2872759 \$	Homo sepiens signating lymphocytic activation motecule (SLAM) gene, excn 2	601192748F1 NIH_MGC_7 Homo septens cDNA clone IMAGE:3536867 6	601182748F1 NIH_MGC_7 Homo sapiens cDNA clone IMAGE:3536867 6	C05089 Human heart cDNA (YNakamura) Homo sapiens cDNA clone 3NHC4817	oe56h01,r1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1309009 6	oe56h01_r1 NCI_CGAP_GCB1 Homo septens cDNA clone (MAGE:1309009 67	QV2-HT0698-020800-295-d07 HT0698 Hamo sepiens cDNA	DKFZp761J2116_r1 761 (synonym: hamy2) Homo sapiens cDNA clone DKFZp761J2116 5	AU116988 HEMBA1 Homo sapiens cONA clone HEMBA1000424 5	AU132437 NT2RP3 Homo sapiens cDNA clone NT2RP3004422 5	Homo sapians mRNA for neuredn II, complete cds	Homo sapiens mRNA for neureath II, complete cds	PMD-HT0645-060500-002-E05 HT0645 Homo agriens cDNA	PMO-HT0645-060500-002-E05 HT0645 Hamo septems cDNA	AV701152 ADA Homo sapiens cDNA clone ADAAAD06 5	UHHF-BLD-acs-o-09-0-UL/1 NIH_MGC_37 Homo sepiens aDNA clane IMAGE:3060089 5	601439092F1 NIH_MGC_72 Hamp sapiens cDNA clane IMAGE:3924142 5	ULHF-BN0-ekg-d-02-0-UI.r1 NIH_MGC_50 Hamo sepiens cDNA clane IMAGE:3077019 S	UHIF-BNO-akg-d-02-0-UI_r1 NIH_MGC_60 Homo sepiens cDNA clane IMAGE:3077019 5	bb78c04.y1 NIH_MGC_10 Homo sapiens cDNA done IMAGE:3048498 6' smiler to gc/700345_cds1	POLITICIENTE PRINCING PROTEIN (NOMEN), BELEGGES MAINEAGENES INTOKATES PAYES) PRIMING PROTEIN	H.sapiens gene for lg kappa light chain variable region "011"	AU121677 MAMMA1 Homo sapiens cDNA clone MAMMA1000731 5'	601440446F1 NIH_MGC_72 Homo sapiens cDNA clone IMAGE:3925403 6	eo86g11 x1 Schiller meningioma Homo sapiens cDNA clone IMAGE:1952804 3'	ao86g11.x1 Schiller meningioma Homo sepiens cDNA clone IMAGE:1952804 3*
XOII FIODOS EX	Top Hit Detabase Source	M	NT IK	EST_HUMAN R	EST_HUMAN R	EST HIMAN M	Т	Г	EST_HUMAN 60	EST_HUMAN 80	est_Human   C	EST_HUMAN   08	EST_HUMAN   08	EST_HUMAN Q	EST_HUMAN DI	EST_HUMAN A	EST_HUMAN A	H H	H IN	EST_HUMAN PR	EST_HUMAN  PI	EST_HUMAN  A\	EST_HUMAN UI		EST_HUMAN U	EST_HUMAN U	25 25	EST HUMAN DO	Т	EST_HUMAN AL	EST_HUMAN 60	П	EST_HUMAN ao
	Top Hit Acession No.			0.0E+00 BE773036.1	0.0E+00[BE773036.1	0 0F+00 AA740782 1			0.0E+00 BE268478.1	3.1		0.0E+00 AA746375.1	0.0E+00 AA746375.1	0.0E+00 BF353625.1	0.0E+00 AL157808.1	.1	0.0E+00 AU132437.1	0.0E+00 AB035286.1	0.0E+00 AB035268.1	0.0E+00 BE182360.1	1	0.0E+00 AV701152.1	1.1		0.0E+00 AW500307.1	0.0E+00 AW 500307.1		0.05+00185018283.4		5	-		0.0E+00 Al459545.1
	Most Similar (Top) Hit BLAST E Vatue	0.0E+00 U50328.1	0.0E+00 Z20656.1	0.0E+00	0.0E+00	0.05400	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00 C05089.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05+00	0.05+00/		0.05+00	0.0E+00 X59314.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Expression Signal	6.12	1.72	8	9	90	38.54	2.85	1.84	1.84	7.6	1.91	1.91	1.66	5.79	6.83	1.54	284	2.84	2.4	2.4	1.48	75.44	2.81	228	2.28		711	14.52	23	4.14	1.58	1.58
	ORF SEQ ID NO:	37731	37732	37735	37736	877F0	37762	37768	37780	37781	37783	37789	37790	37788	37799	37807	37825	32047	32048	37846	37847		37863	37865	37874	37876		87878	37896	37900	37913	37914	37915
	SEQ ID	24208	24209	24212	24212	2422	24235	24241	24254	24254	24257	24263	24263	24271	24272	24283	24297	18868	18868	24318	24318	24319	24334	24336	24342	24342		24949	24361	24365	24374	24375	24375
	Probe SEQ ID NO:	11256	11257	11280	11280	11083	11285	112871	11304	11304	11307	11313	11313	11321	11322	11333	11347	11367	11367	11371	11371	11372	11387	11390	11397	11397	!	44308	11417	11421	11430	11431	11431

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						EXON Propes (	igle exon Probes expressed in Bone Marrow
Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Value	Top Hit Acession No.	Top Hit Detebase Source	Top Hit Descriptor
11441	24384	37924	4.83	0.0E+00	0.0E+00 AL042278.1	<b>EST_HUMAN</b>	DKFZp434L0120_r1 434 (synonym: htes3) Hamo sapiens cDNA clane DKFZp434L0120 5
11448	24389	37931	4.18	0.0E+00	0.0E+00 F00884.1	EST HUMAN	HSB77E122 STRATAGENE Human skeletal muscle cDNA library, cat. #838215. Homo sapiens cDNA clone 77E12
11446	24389		4.18	0.0E+00	0.0E+00 F00884.1	EST HUMAN	HSB77E122 STRATAGENE Human skeletal muscle oDNA library, cat. #836215. Homo sapiens cDNA done 77E12
11474	24417	37987	2.85	0.0E+00	4758827 NT	NT	Homo septens neuredn III (NRXN3) mRNA
11475	24418	37968	3.38	0.0E+00	0.0E+00 BF206561.1	<b>EST_HUMAN</b>	601870902F1 NIH_MGC_19 Homo sapiens cDNA clone IMAGE:4101433 5
11478	Į į	37870	12.88	0.0E+00	0.0E+00 AW207734.1	EST_HUMAN	UHHBIZ-ege-h-01-0-UI,s1 NCI_CGAP_Sub4 Hamo septems cDNA clame IMAGE:27243123'
11479		37971	603		AW604975.1	EST_HUMAN	RCD-CT0380-210100-032-c10 CT0380 Homo septems cDNA
11479	24422		5.09	ı	0.0E+00 AW604975.1	EST_HUMAN	RCO-CT0380-210100-032-c10 CT0380 Homo sapiens cDNA
11483	24428	37975	187	0.0E+00	0.0E+00 AB018280.1	M	Homo septens mRNA for KIAA0717 protein, pertial cds
11483	24428	37976	2.91	0.0E+00	0.0E+00 AB018280.1	NT	Homo sapiens mRNA for KIAA0717 protein, partial cds
11484	24427	37977	. 3.54		0.0E+00 BE206846.1	EST HUMAN	be04407.y1 NIH_MGC_7 Home sepiens cDNA clone IMAGE:2823373 6' similar to TR:078022 076022 E1B- 55KDA-ASSOCIATED PROTEIN.;
	1	0.00				EST LIMAN	ba04007.yi NIH_MGC_7 Home saplens cDNA clone IMAGE:2823373 5' similar to TR:076022 076022 E1B- RECOA ASSOCIATED PROTEIN .
5 2	24470	07000			44004744 NT	-1.	Home seriens marsin heavy polyperide 4. skeletsl muscle (MYH4), mRNA
11500	20870				132832	L <sub>N</sub>	Homo sapiens zinc finger homeodomain protein (ATBF1-A) mRNA, complete cds
44543	24454				0.0E+00 BE148078.1	EST HUMAN	RC3-HT0230-040500-110-h04 HT0230 Homo sapiens cDNA
11513	24454				0.0E+00 BE148078.1	EST_HUMAN	RC3-HT0230-040500-110-h04 HT0230 Homo sapiens cDNA
11523	24464	38017	7.64		0.0E+00.AA185905.1	EST HUMAN	pp85011.rt Strakgene muscle 837209 Homo sepiens cDNA clone IMAGE:827833 5' similar to gb:X03740   MYOSIN HEAVY CHAIN, SKELETAL MUSCLE (HUMAN);
11531	24472	_			0.0E+00 AW673469.1	EST HUMAN	ba54d08.y3 NIH_MGC_10 Homo sapkens cDNA clone IMAGE.2800367 5' similar to TR:060275 060275 KIAA0622 PROTEIN;
11531	24472			0.0E+00	0.0E+00 AW673469.1	EST HUMAN	he54408 ys NIH_MGC_10 Homo septens cDNA clone IMAGE:2900367 6' similar to TR:080275 060275 KIAA0622 PROTEIN;
11549	24490			0.0E+00	0.0E+00 BF507876.1	EST HUMAN	UI-H-BIA-ack-b-10-0-UI.s1 NCI_CGAP_Sub8 Homo septiens cDNA clone IMAGE:3085026 3'
11549	24490	<u> </u>			0.0E+00 BF507876.1	EST_HUMAN	UHHBI4-eak-b-10-0-UI.s1 NCI_CQAP_Sub8 Hamo septiens cDNA clane IMAGE:3085026 3'
11556					0.0E+00 AU135170.1	EST_HUMAN	AU135170 PLACE1 Hamo sapiens aDNA dane PLACE1001381 5
11560		38056	1.84		0.0E+00 BF578138.1	EST_HUMAN	602132459F1 NIH_MGC_81 Homo septens cDNA clone IMAGE:4271630 5
11560			1.84		0.0E+00 BF578138.1	EST_HUMAN	602132459F1 NIH_MGC_81 Homo septens cDNA clone IMAGE:4271630 5
11561					0.0E+00 BE878401.1	EST_HUMAN	6014868228F1 NIH_MGC_69 Homo saplens cDNA clone IMAGE:3888207 6
11561			7		0.0E+00 BE878401.1	EST HUMAN	6014868228F1 NIH MGC 69 Hamo sepiens CUNA cane IMAGE:3886207 5
11567	24507	38064	29		0.0E+00 D87682.1	E L	Inumen mixiva to Klaavizat gene, perua cas

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Table 4
Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO:	Exan SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E Vatue	Top Hit Acession No.	Top Hit Detabase Source	Top Hit Descriptor
14571	24510		5.42	0.0E+00	0.0E+00 BF240538.1	EST_HUMAN	601875630F1 NIH_MGC_55 Homo sepiens cDNA clone IMAGE:4069710 5
11582	24520	38075	1.68	0.0E+00	0.0E+00 AB037737.1	LΝ	Homo saptems mRNA for KIAA1316 protein, partial cds
11582	24520	38076	1.68	0.0E+00	0.0E+00 AB037737.1	NT	Homo septems mRNA for KIAA1316 protein, pertial cds
11686	24624	38079	3.41	0.0E+00	11430868 NT	¥	Homo sepiens retinablestome-tike 2 (p130) (RBL2), mRNA
11588	24524	38080	3.41	0.0E+00	11430868 NT	¥	Homo sepiens refinablastoma-tike 2 (p130) (RBL2), mRNA
11590	24528	38085	2.06	0.0E+00	0.0E+00 BE122784.1	EST_HUMAN	23_08 Human Epidermel Keratinocyte Subbraction Library-Upregulated Transcripts Homo sepiens cDNA clone 23_08 5 similar to Homo sepiens cyclin 82 (CCNB2)
1.50		38086		0.05+00	0.0E+00 BE017960.1	EST HUMAN	bb73h05,1/ NIH_MGC_12 Home septens cDNA clone IMAGE:3048057 5' similar to SW:CD97_HUMAN P48900 LEUCOCYTE ANTRGEN CD97 PRECURSOR, 111:
11595		L		0.0E+00	0.0E+00 AA772837.1	EST HUMAN	ae74g04.81 Stratagene schizo brain S11 Homo sepiens cDNA clone IMAGE:969942 3*
11806	24643	38103	6.4	0.0E+00	4603544 NT	¥	Homo eaplans eukaryotic translation Initiation factor SA (EIFGA) mRNA
11612	24550	38110	225	0.0E+00	0.0E+00 BF576267.1	EST_HUMAN	602134132F1 NIH_MGC_81 Homo sepiens cDNA dane IMAGE:4289502 5
11615		38114	5.5	0.05+00	3.1	EST_HUMAN	dr04g05.x1 NIH_MGC_3 Hamo septems cDNA clane INAAGE:2847177 6
11620	24558		6C 88	0.0E+00	0.0E+00 M55083.1	IN	Human gamma actin-tike pseudogene, complete cds
11624	24562	38123	159.29	0.0E+00	0.0E+00 A(860988.1	EST HUMAN	wf20e11.x1 Sogres_Dieckgraefe_colon_NHUC Homo sepiens cDNA clone IMAGE:2351190 3' similar to ob:M87789 IG GAMMA-1 CHAIN C REGION (HUMAN):
11825			23	0.0E+00	0.0E+00 BF30698.1	EST_HUMAN	601889823F1 NIH_MGC_17 Homo septens cDNA clone IMAGE:4123948 5
11625		38125	2.3	0.0E+00	0.0E+00 BF306986.1	EST_HUMAN	601889823F1 NIH_MGC_17 Hamo septems cDNA clane IMAGE:4123948 6
11632			13.62	0.0E+00	0.0E+00 BF362462.1	EST_HUMAN	QV2-NN0054-230800-333-e04 NN0054 Homo septens cDNA
11648	24585	38154	2.42	0.0E+00 U36264.1	U36264.1	NT	Human beta-prime-edaptin (BAMZZ) gene, excn 16
11648		38155	2.42	0.0E+00 U38264.1		NT	Human beta-prime-edaptin (BAM22) gene, excn 16
11654	24591		4.74	0.0E+00	0.0E+00 BE897051.1	EST_HUMAN	601439605F1 NIH_MGC_72 Hamo septens cDNA clane IMAGE:3824677 5
11685	24601	38177	1.54	0.0E+00	8923698 NT	IN	Homo sepiens golgin-like protein (GLP), mRNA
11688	24604		2.24	0.0E+00	0.0E+00 BF207662.1	EST_HUMAN	601881947F1 NIH_MGC_63 Homo septens cDNA clone IMAGE:4081716 67
11669	24605		4.82	0.0E+00	0.0E+00 BE257744.1	EST_HUMAN	601116705F1 NIH_MGC_16 Hamo septens cDNA clane IMAGE:3357384 5
11000	OVOVC	30000	67.7	001200	0 05-00 05-006946 4	NAME TO THE	ba04d07,y1 NIH_MGC_7 Homo sapiens CDNA clone IMAGE:2823373 5' similar to TR:O76022 076022 E1B. REKOLA ASSOCIATED DEOTEIN
			2	200		100 - 100 m	beO4d07.v1 NIH MGC 7 Homo serolens cDNA clone IMAGE-2823373 5' similar to TR-078022 076022 E1B-
11682	24648	38228	4.13	0.0E+00	0.0E+00 BE206846.1	EST_HUMAN	SSKDA-ASSOCIATED PROTEIN.;
11684	24850	38228	3.8	0.0E+00	0.0E+00 AW753028.1	EST_HUMAN	QV0-CT0225-101289-071-f08 CT0225 Homo sapiens cDNA
11689	24655		4.96	0.0E+00	0.0E+00 AA558707.1	EST HUMAN	n42c08.s1 NCI_CGAP_P14 Homo septens cDNA clone IMAGE:1043342 stratier to gb:M85178 ALPHA-ACTININ 1, CYTOSKELETAL ISOFORM (HUMAN);
11660	18451	31322	3.12	0.0E+00	0.0E+00 Al934954.1	EST_HUMAN	wp08g08x1 NCI_CGAP_Kd12 Hano sapiens cDNA clane IMAGE:2484094 S'
11691	24658	38234	926	0.0E+00	0.0E+00 AW327895.1	EST HUMAN	drozbo8.x1 NIH_MGC_3 Homo septems aDNA clane IMAGE-2846919 6

Page 542 of 546 Table 4 Single Exon Probes Expressed in Bone Marrow

Single Exon Probes Expressed in Boire mairow	Most Similar   Top Hit Acession   Top Hit Signal   BLASTE   No. Source   Source	AW292778.1 EST_HUMAN	37432 2.09 0.0E+00 4758827 NT Homo septens neurodn III (NRXN3) mRNA	0.0E+00 BE985909.2 EST_HUMAN	0.0E+00 BE965909.2 EST_HUMAN	38188 3.67 0.0E+00 BE166656.1 EST_HUMAN ILE-HT0731-020500-077-705 HT0731 Homo septems cDNA	5.4 0.0E+00 ALD46540.1 EST_HUMAN	5.4 0.0E+00 ALD48540.1.   EST_HUMAN	38211 2.29 0.0E+00 BF082504.1 EST_HUMAN MR4-BT0368-130900-016-604 BT0368 Homo septens cDNA	wessga3.x1 NCI_CGAP_Ut1 Hamo septens cDNA dane IMAGE:2452468 3' straiter to go:537431 LAMININ RECEPTOR (HUMAN);	nz11c07.s1 NCI_CGAP_GCB1 Homo sepiens cDNA clone IMAGE:1287468 3' shriler to TR:Q13688	COLOR OF THE PROPERTY	38280 8.71 0.0E+00 AA780613.1 EST_HUMAN Q13886 ALKB HOMOLOG PROTEIN.;	3.51 0.0E+00 BE910548.1 EST_HUMAN	NAMI EL TOTA A TACATORIA MANAN	0,45 U.WETUU DEGIOSPI. I ESI TIOMINI	2.02 0.0E+00 BE-615668.1	2.02 0.0E+00 BE615666.1   EST_HUMAN	2.13 0.0E+00 AV757420.1 EST_HUMAN	5.01 0.0E+00[L39891.1 NT	5.01 0.0E+00[L39891.1 NT	3.67 0.0E+00 AU138211.1   EST_HUMAN	1 EST HUMAN		1 EST_HUMAN	38333 14.23 0.0E+00 BE748899.1 EST HUMAN 601672186T1 NIH_MGC_66 Homo explene CDNA done MAGE:3839012.3'	1 EST HUMAN	2.54 0.0E+00 AU141882.1 EST_HUMAN	wz91h01.x1 NCI_CGAP_Bm25 Homo eaplens cDNA clone IMAGE:2598225 3' striilar to WP:F53H10.2		2.38 0.0E+00 BF002333.1 EST HUMAN	38366 1.48 0.0E+00[ALD43705.1 [EST_HUMAN   UNIT-CPASALTZZ/_T1 454 (syndrym: mess) main septems connication to the control of t
	ORF:SEQ ID NO:	L			L																				_				·			
	Exan SEQ ID NO:	1 25706	<u></u>	L	乚			24824	8 24631		1	100#2	3 24681	1_			_	┙			8 24693		5 24718	0 24742	8 24750	L	7 24759	L	24782	<u>L</u>	$\perp$	9 24780
	Probe SEQ ID NO:	11711	11718	11724	11724	11725	11739	11730	11746	11750		3	11763	11758		17/00	11789	11769	11777	11808	11808	11822	11835	11860	11868	11868	11877	11877	11880		1882	11880

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Table 4
Single Exon Probes Expressed in Bone Marrow

Probe SEQ ID NO:	Exem SEQ ID NO:	ORF SEQ ID NO:	Expression Signal	Most Similar (Top) Hit BLAST E. Value	Top Hit Acessian No.	Top Hit Detabase Source	Top Hit Descriptor
11899	24780	28367	1.48	0.0E+00	0.0E+00 AL043705.1	EST HUMAN	DKFZp434L12ZZ_r1 434 (synonym: htee3) Homo espiens cDNA clone DKFZp434L12Z7 6
11904	24785	38374	3.36		0.0E+00 AW387776.1	EST_HUMAN	MRA-ST0118-261089-012-b03 ST0118 Homo septems cDNA
11904	24785	38375	98'8		0.0E+00 AW387776.1	EST_HUMAN	MR4-ST0118-281089-012-b08 ST0118 Homo septems cDNA
11916	L		243	0.0E+00	0.0E+00 AW863777.1	EST_HUMAN	MR3-SN0010-310300-107-h03 SN0010 Hamo sepiens cDNA
11927	24808	38402	4.22	0.0E+00	11435244	IN	Homo saplens KIAA0247 gene product (KIAA0247), mRNA
11927	24808	38403	4.22	00+30°0	11435244 NT	NT	Homo sepiens KIAA0247 gene product (KIAA0247), mRNA
11932	24813	38409	5.01	0.0E+00		NT	Human beta-prime-edaptin (BAMZ2) gene, exan 5
11834	L.				0.0E+00 BE379254.1	EST_HUMAN	601237691F1 NIH_MGC_44 Homo sepiens cDNA clone INAGE:3609623 5
11834	24815	38412	2.03	0.0E+00	0.0E+00 BE378254.1	EST_HUMAN	801237891F1 NIH_MGC_44 Homo septens cDNA clone IMAGE:3608823 5
11946	20655	34019	241	0.0E+00	0.0E+00 AA211563.1	EST HUMAN	205802.1 Strategene muscle 837209 Homo septens cDNA clone IMAGE:582203 6' similær to gb:X03740 MYOSIN HEAVY CHAIN, SKELETAL MUSCLE (HUMAN);
	<b>!</b>						8855g11.s1 NCI_CGAP_GCB1 Homo sepiens cDNA clone IMAGE:824900 3' similar to gb3M37768 B-
11947		38421	2.36		1	EST_HUMAN	LYMPHOCYTE ACTIVATION MARKER BLAST-1 PRECURSOR (HUMAN);
11952		38427	2.35		1	EST_HUMAN	601550558F1 NIH_MGC_7 Homo septens cDNA clone IMAGE:3944708 5
11953	24832	38428	160.92	0.0E+00	1	EST_HUMAN	601491821F1 NIH_MGC_69 Hamo septems cDNA clane IMAGE:3894220 5
11985	24844	38430	12.66	0.0E+00	0.0E+00 BE409993.1	EST_HUMAN	601289403F1 NIH_MGC_21 Homo saplens cDNA clone IMAGE:3629544 5
11968	24845	07788	2.25	0.05+00	0.0E+00 AF22338H.1	<u> </u>	Homo sapiens calcium chennel alpha1E subunit (CACNA1E) gene, exons 7-49, and partial ods, alternatively soliced
	L				T		House eventures and it is a standard of the west (TAPAIG) seems 7.40 and seems of the sales
11968	24845	38441	225	0.0E+00	0.0E+00 AF223391.1	M	noine squais Cardun Granner aparate Samuni (GACACATE) yene, exons 7-46, and partas cus, and nauvery spiced
11967	18647	31589	. 2.21	0.0E+00		NT	Human gene for dihydrolipoamide succinyltransferase, complete cds (exon 1-15)
11967	18647	31590	221	0.0E+00 D26635.1		ᅜ	Human gene for dihydrolipoamide succinyfitransferase, complete cds (exon 1-15)
11968	24846	38442	4.01	0.0E+00		EST_HUMAN	602155722F1 NIH_MGC_83 Homo sepiens dDNA done IMAGE:4296725 6
11968		38443	4.01	0.0E+00	1	EST_HUMAN	602155722F1 NIH_MGC_83 Hamo sepiens dDNA dane IMAGE:4286725 5
11974	18348	31294	1.51	0.0E+00	1	MT	Homo sapiens gaphyrin mRNA, complete cds
11976	24853	38451	1.67	0.0E+00	1	EST_HUMAN	AU132840 NTZRP4 Hamo sapiens aDNA dane NTZRP4000929 6
11979	24856	38453	4.83	0.0E+00	1	EST_HUMAN	601676357F1 NIH_MGC_21 Homo sepiens cDNA clone IMAGE:3858635 5
11992	24869	38484	3.47	0.0E+00	0.0E+00 BF312552.1	EST_HUMAN	601897524F1 NIH_MGC_19 Hamo septens cDNA clane IMAGE:4127069 5
11892	L	38465	3.47	0.0E+00	0.0E+00 BF312562.1	EST_HUMAN	601897524F1 NIH_MGC_19 Homo sepiens cDNA clone IMAGE-4127089 5
11894	24871	38467	34.13	0.0E+00 X51755.1		Ą	Human lambda-Immunoglobulin constant region complex (germine)
11894	24871	38468	34.13	0.0E+00 X51755.1		М	Human lambda-immunoglobulin constant region complex (germline)
12008			3.04	0.0E+00		EST_HUMAN	601498553F1 NIH MGC_70 Hamp sepiens CDNA dane IMAGE:3900398 5
12007		38479	1.52	0.0E+00	0.0E+00 BE892690.1	EST_HUMAN	601433808F1 NIH_MGC_72 Homo sepiens aDNA done IMAGE:3918321 5
12035	25708		56.85	0.0E+00	]	EST_HUMAN	601880334F1 NIH MKGC 17 Hamp septems CDNA crone IMAGE:41314165

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Table 4
Single Exon Probes Expressed in Bone Marrow

Single Exon Plobes Expressed in Boile Mairow	Top Hit Acession Database Top Hit Descriptor No. Source	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN	EST_HUMAN			11024711 NT Homo septens myosin, heavy polypeptide 4, skeletal muscle (MYH4), mRNA	HSB77E122 STRATAGENE Human skeletal muscle cDNA library, cat. #836215. Homo saplans cDNA clone 64.1 EST HUMAN 77E12	EST_HUMAN	I EST_HUMAN	1 EST HUMAN	4.1 EST_HUMAN	Ŋ	EST HUMAN	I EST_HUMAN	Homo sapiens nuclear factor of kappa light polypoptide gene enhancer in B-cells inhibitor, epsilon (NRKBIE), mRNA mRNA	Homo sepiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon (NFKBIE),	INDEX	PAMOL I CE	EST HIMAN	Σ	노	17862 NT	5802973 NT Homo sepiens enticoddant protein 1 (AOP1), nucléar gene encoding mitochondrial protein, mRNA	Į.	EST_HUMAN	118318 NT	18544.1   EST_HUMAN   DKFZp434GZ18_r1 434 (synonym: mess) Homo sapiens CLNA cicrie DKFZp4346Z18 5
ה 	Top Hit Ao No.	0.0E+00 BE698891.1	0.0E+00 BE698881.1	0.0E+00 BE297175.1	0.0E+00 BE744311.1	0.0E+00 BE744311.1	7	76	110	F00884.1	F00884.1	0.0E+00 BE545535.1	0.0E+00 AU117974.	0.0E+00 AU117974.	0.0E+00 Z20656.1	0.0E+00 BE264998.1	0.0E+00 BE284998.	11,	   	71	0.0E+00 BE312042.1	0.0E-100 AL190983 1	0.0E+00 ABO11399.1	0.0E+00 AL183248.2			0.0E+00 AF240786.	0.0E+00 AL041831.1	÷	0.0E+00 ALD46544.
	Most Similar (Top) Hit BLAST E Value	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.05.+00	0.0E+00 F00884.1	0.0E+00 F00884.1	0.0E+00	0.0E+00		l		0.0E+00	0.0E+00			0.05+00	200	0.0E+00	0.0E+00	0.0E+00	0.0E+00				Ŀ
	Expression Signal	238	2.38	60.15	1.81	1.81	1.81	1.81	1.06	2.41	2.41	6.46	324	3.24	2.15	227	227	6.45		6.45	1.81	3	133	228	5.82	3.47	2.08	4.42	3.76	5.96
	ORF SEQ ID NO:	38505	38506	38509	38517	38518	38531	38532	38535	38537	38538	38544	38547	38548	38590	38595	38596	38605		38806	87.16 1			†			31623			
	SEQ ID	24912	24912	24915	24921	24921	24935	24936	24940	24944	24944	24940	24952	24952	24088	24993	24983	25000		25000	7/807	00070			25044	25058	_		25940	
	Probe SEQ ID NO:	12037	12037	12046	12048	12048	12062	12062	12067	12071	12071	12071	12080	12080	12118	12124	12124	12131		12131	12146	10171	12/2	12/82	12201	12218	12251	12265	12291	12289

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Table 4
Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor Source	EST_HUMAN IL-8T030-271098-001 BT030 Homo sapiens cDNA	yw0e08.s1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA ctone IMAGE:245222 3' similar to EST_HUMAN SW:POL_BAEVM P10272 POL POLYPROTEIN;		Homo sepiens T-cell lymphome threstion and metastasts 1 (TIAM) mRNA	Homo saplens T-cell lymphoma invasion and metastasis 1 (TIAMI) mRNA	Homo explens nuclear factor of activated T-cells, cytoplasmic, calcineur's dependent 2 (NFATC2), mRNA	Homo sepiens X-linked antidrottic ectodermal dysplassia protein gene (EDA), exon 2 and flanking repeat	heatens of NCI CCAP CCS Homo serviens cONA cierne IMACE-2047254 3' similar in contains Abi	EST_HUMAN repetitive element contains element MER22 repetitive element;	Human gamma-glutamyl transpeptidase mRNA, complete cds	Homo sepiens somatostatin receptor subtype 3 (SSTR3) gene, 5 flanking region and partial cds	Human endogenous retrovirus, complete genome	EST_HUMAN   anothotaxt Strategene schizo brain S11 Homo seplans cDNA clone IMAGE:1684759 3'	Homo sapiens calcineurin binding protein 1 (KIAA0330), mRNA	Homo saplens calcineurin binding protein 1 (KIAA0330), mRNA	Homo sapiens caveo(in-3 (CAV3) mRNA, complete cds	yo59e08.r1 Sogres breast 3NbHBst Homo septens cDNA clone IMAGE:182246 & similar to gb:M84099 EST_HUMAN GAMMA-GLUTAMM.TRANSPEPTIDASE 6 PRECURSOR (HUMAN);	yo59908.r1 Sogres breast 3NbHBst Homo septens cDNA clone IMAGE:182246 5' similar to gb:M84089 EST_HUMAN GAMMA-GLUTAMYLTRANSPEPTIDASE 5 PRECURSOR (HUMAN);	Human gamma-cytoplasmic actin (ACTGP9) pseudogene	Homo saplens thyrold autoantigen 70kO (Ku antigen) (G22P1), mRNA	Homo sapiens thyroid autoantigen 70kO (Ku antigen) (G22P1), mRNA	Homo septens GTP binding protein 1 (GTPBP1) mRNA	EST_HUMAN hi86e06.x1 Scares_NR_T_GBC_S1 Homo septems cDNA clone IMAGE:2979154 3"		EST FORMAN COME LOCATION INCIDENT TO 1906A (F)	Homo sapers hyportaical protein FLAZMod (FLAZMod), interva	Homo sapiens G protein-coupled receptor 24 (GPR24), mRNA	Homo sapiens low density ipoprotein-related protein 2 (LN-2), mrdvA	Homo sapiens CST gene for cerebroside suffortensferase, exan 1, 2, 3, 4, 5
Top Hit Acession I			Ţ	4507500 NT	4507500 NT	10092587 NT	D002528 4	Ţ	7.		F068757.1 NT	9635487 NT		6912467 NT	6912457 NT	F038365.1 NT			50659.1 NT	11418189 NT	11418189 NT	4758489 NT	<b>-</b> -		0.0E+00 BEZ46/80.1	115282811	4885312 NT	808918	B029900.1 NT
Most Similar (Top) Hit BLAST E Veitue	0.0E+00 AI903497.1	0.0E+00 N54484.1	0.0E+00 AF106858	0.0E+00	0.0E+00	0.0E+00	A 05-100 A CTOOP 528	200	0.0E+00 AW 590082	0.0E+00 L20483.1	0.0E+00 AF068767.	0.0E+00	0.0E+00 AI204914.1	0.0E+00	0.0E+00	0.0E+00 AF038365.	0.0E+00 H30132.1	0.0E+00 H30132.1	0.0E+00 D50659.1	0.0E+00	0.0E+00	0.0E+00	0.0E+00 AW684999		0.05+00	0.01.+00	0.0E+00	0.0E+00	0.0E+00 AB029900.
Expression	1.96	1.82	6.99	3.44	3.44	2.58	C	7,7	3.54	1.41	282	2.72	1.47	1.88	1.88	1.52	4.40	4.40	52.99	3.63	3.63	2.42	1.39	,	1.0.1	-1.85	3.07	1.68	2.17
ORF SEQ ID NO:				20857	28858				31621					28034	28035	31767	27705	27708		31743	31744	28141			31/21			31292	
Exam SEQ ID NO:	25834	25962	25167	13900	13900	25837			25767		25831	25300	L	15027	15027	25361	14723	14723	25377		25378	15120	L.,				_1		25466
Probe SEO ID NO:	12314	12357	12371	12374	12374	12383	10111	\$	12604	12534	12561	12597	12635	12683	12683	12701	12712	12712	12724	12725	12725	12739	12780		2018	12827	12849	12858	12863

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Table 4

Single Exon Probes Expressed in Bone Marrow

Top Hit Descriptor	Homo sapiens cleavage and polyadenylation specific factor 1, 160kD subunit (CPSF1), mRNA	Homo sapiens diramosome 21 segment HS210048	formo sapians low density lipoprotein-related protein 2 (LRP2), mRNA	Homo sapiens calcineum binding protein 1 (KIAA0330), mRNA	Homo sepiens DKFZp434P211 protein (DKFZP434P211), mRNA	Homo sapiens period (Drosophila) homolog 3 (PER3), mRNA	Human endogencus retrovirus pHE.1 (ERV9)	Homo sapiens chromosome 12 open reading frame 3 (C12ORF3), mRNA
Top Hit Dafaberse Source		NT Hom	1				NT Hum	
Top Hit Acession No.	9558724 NT	0.0E+00 AL163246.2 N	FN 81-68089	6912457 NT	T057020 NT	1N 28567387	0.0E+00 X57147.1	1N 4888844 NI
Most Similar (Top) Hit BLAST E Value	0.0E+00		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
Expression Signal	2.53	3.32	2.05	1.32	3.02	1.36	1.83	1.4
ORF SEQ ID NO:	31733		28609	27473		31685		27156
Exan SEQ ID NO:	25486	26984	13692	14488	25568	25590	25613	14203
Probe SEQ ID NO:	12902	12927	12935	12988	13018	13051	13082	13103

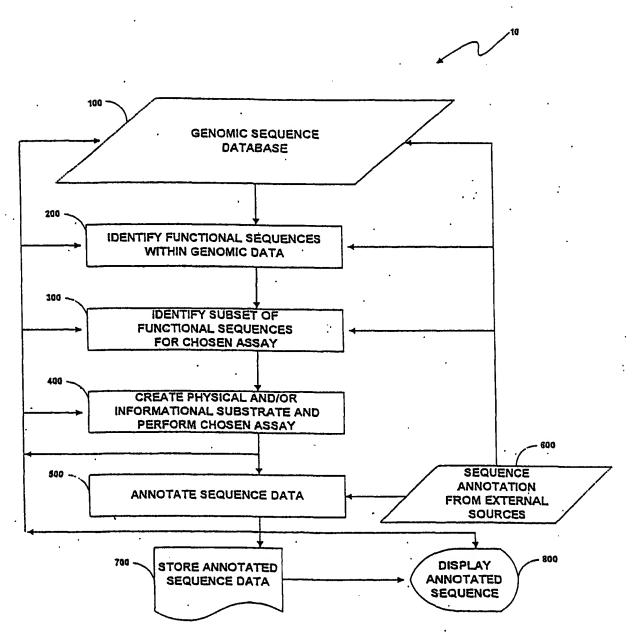


Fig. 1

PCT/US01/00668

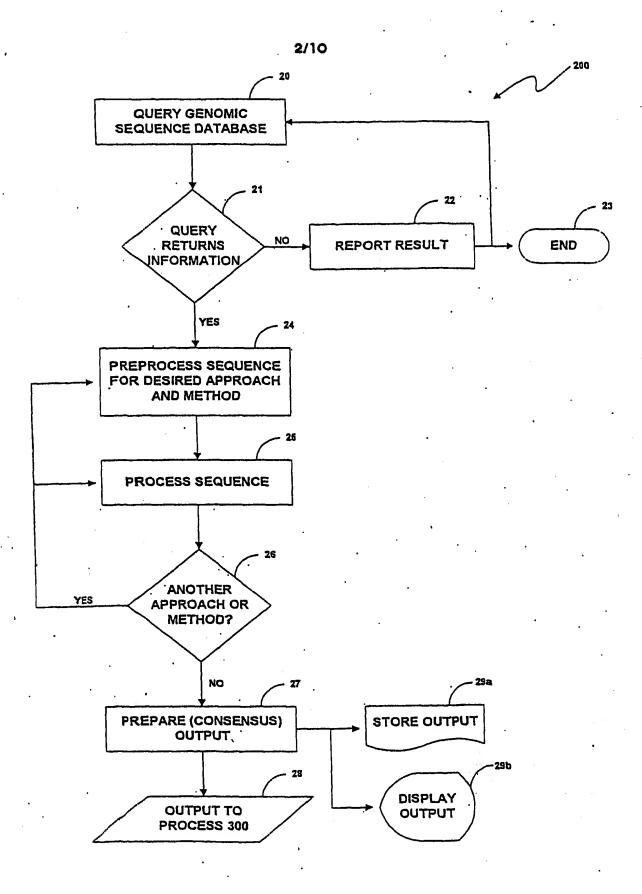


Fig. 2

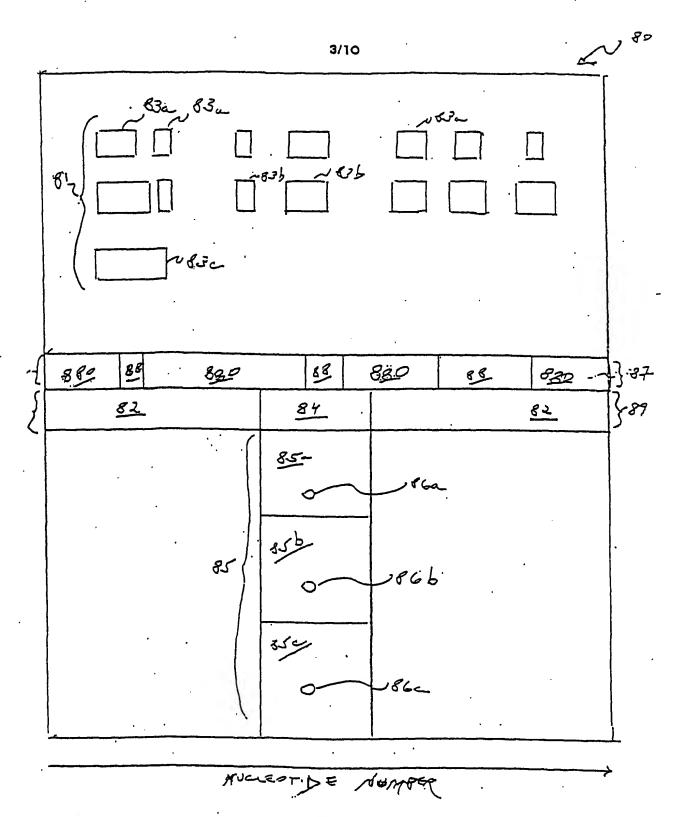


Fig. 3

4/10

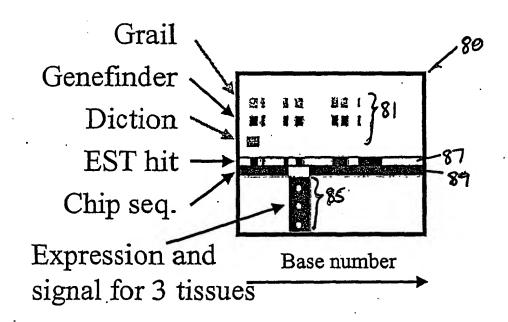


Fig. 4

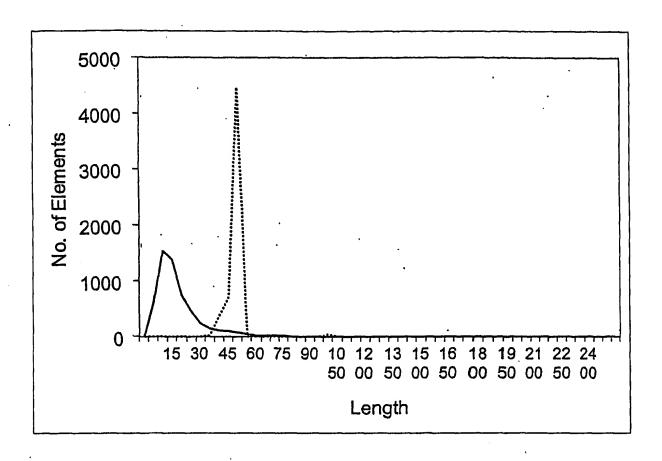


Fig. 5

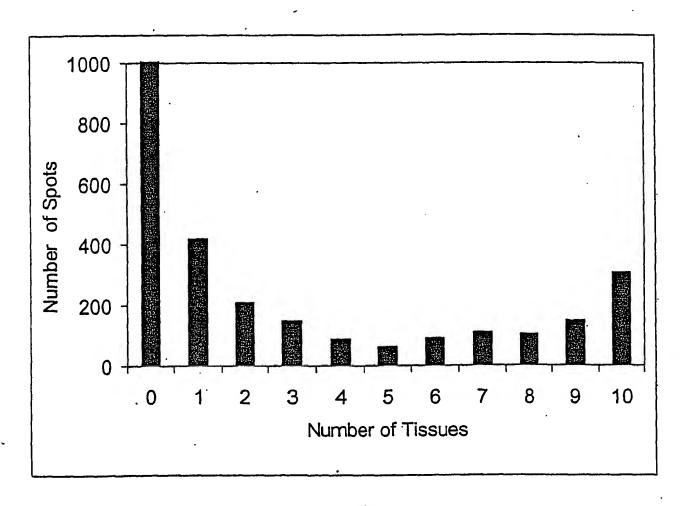
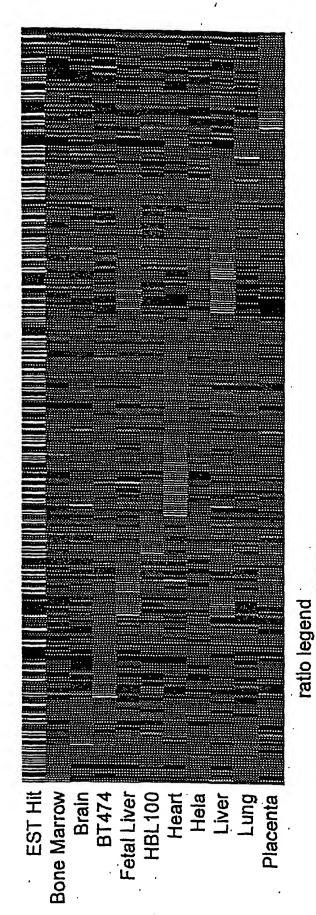
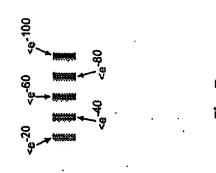


Fig. 6





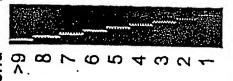
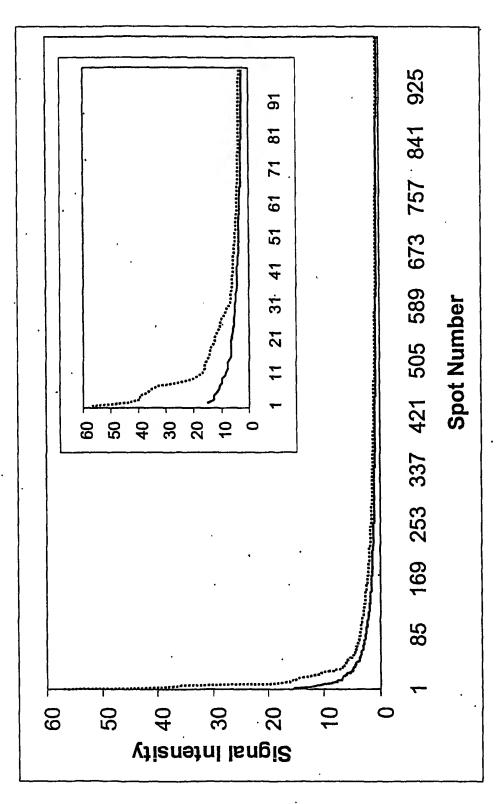


Fig. 7b



ia. 8

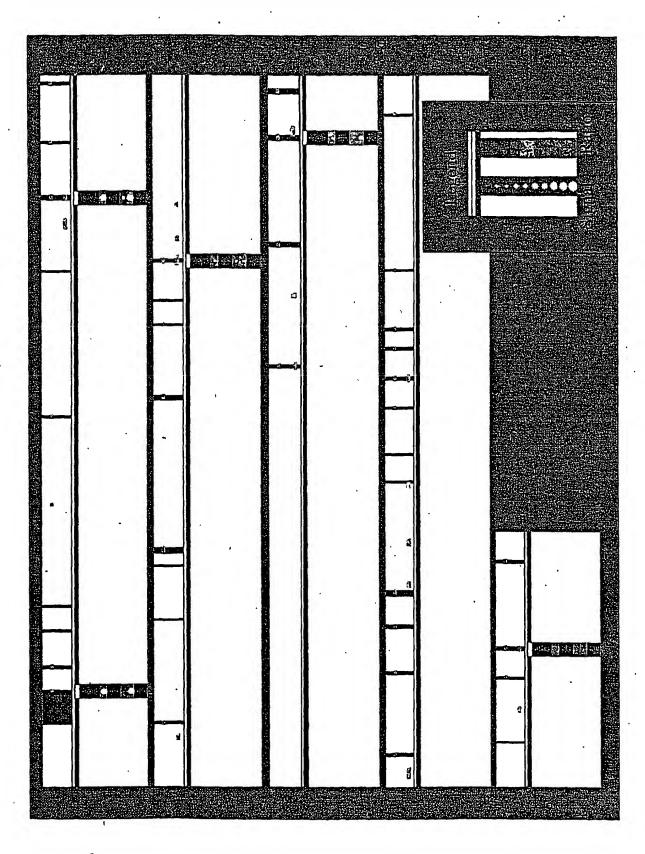
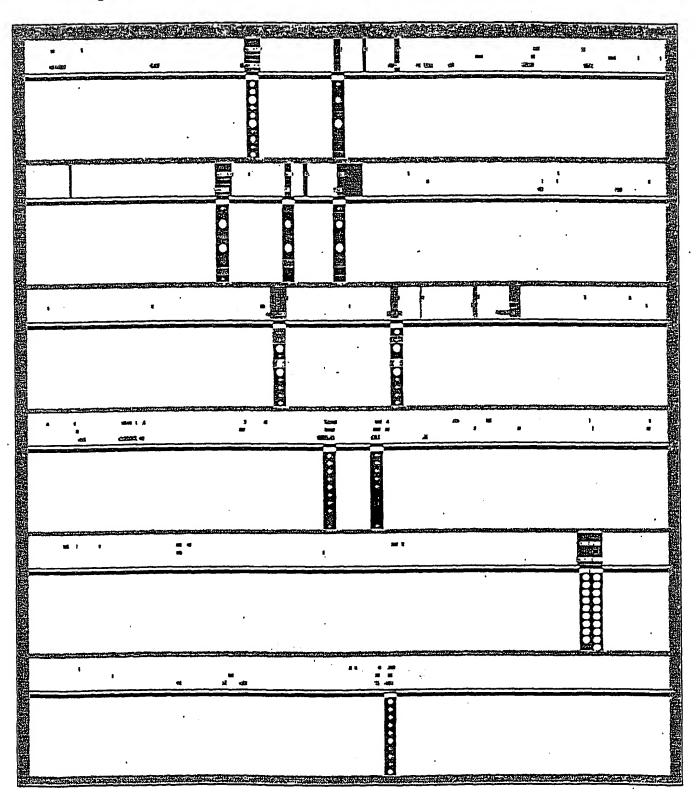


Fig. 9

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Fig. 10



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